Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 134 AUGUST 22, 1938 Number 8

RECEIVED AUG 23 1938 LIBRARY

PHOSPHORIC ACID

85% USP SYRUPY

Made from pure Elemental Phosphorus of our own production. Meets all USP and U. S. Pure Food Law requirements. Special corrosion-resistant equipment for handling and storage maintains purity to delivery. Prompt service from convenient shipping points.

"AA QUALITY" CHEMICAL PRODUCTS

Monocalcium Phosphate	Carbonate of Ammonia	Sulphuric Acid
Dicalcium Phosphate	Bone Black Pigments	Gelatins
Disodium Phosphate	Sodium Silicofluoride	Phosphorus
Trisodium Phosphate	Sod. Acid Pyro Phosphate	Phosphoric Acid

The AMERICAN AGRICULTURAL CHEMICAL Co.

50 Church Street, New York

33 Offices in Principal Cities in U. S., Cuba and Canada

THE AMERICAN AGRICULTURAL CHEMICAL COMPANY AA QUALITY

Established 1880

WM. S. GRAY & CO.

342 MADISON AVENUE

NEW YORK CITY

Cable Address: Graylime

Phone: VAnderbilt 3-0500

METHANOL

Pure » 95%--97% » Denaturing

METHYL ACETONE

DU PONT

PURE SYNTHETIC

METHANOL

IS GUARANTEED 99.85% PURE.

IMMEDIATELY AVAILABLE IN DRUMS OR IN TANK CARS. WRITE FOR FULL DETAILS TO E. I. DU PONT DE NEMOURS & COMPANY, INC., NATIONAL AMMONIA DIVISION, FRANKFORD, PHILADELPHIA, PENNSYLVANIA

DU PONT

REG. U. S. PAT. OFF.

BICHROMATE OF SODA • BICHROMATE OF POTASH
CHROMATE OF SODA • CHROMATE OF POTASH • AM
AMMONIUM BICHROMATE • BICHROMATE OF POTASH

Make "Standard" Bichromates your Standard

BICHROMATE OF POTASH
CHROMATE OF POTASH • AMMONIUM BICHROMATE
CHROMATE OF SODA • CHROMATE OF POTASH • AM
AMMONIUM BICHROMATE • BICHROMATE OF POTASH
BICHROMATE OF SODA • CHROMATE OF POTASH • A
CHROMATE OF POTASH • BICHROMATE OF SODA • CH
BICHROMATE OF POTASH • AMMONIUM BICHROMATE

PRIOR CHEMICAL CORPORATION

420 LEXINGTON AVENUE, NEW YORK

PHONE: Mohawk 4-9811 TELETYPE: NY-1-2054 CABLE: Priorchem, New York

Sole Selling Agents for

STANDARD CHROMATE DIVISION

Diamond Alkali Company, Painesville, Ohio

Guaranteed 99½% to 100% Pure

BORAX

BORIC ACID

Refined and U. S. P.

» Crystal » Granulated » Powdered » Impalpable »

» Calcined Borax Glass » Manganese Borate » Anhydrous Ammonium Borate »

Samples on request

PACIFIC COAST BORAX COMPANY

Dept. Q

51 Madison Avenue, New York

CHICAGO LOS ANGELES

New Organic Oxides

. . . non-flammable, almost odorless ethers or ether-alcohols. Most of them are soluble both in water and in hydrocarbons; hence are excellent mutual solvents. Being extremely stable, they serve as high-boiling, inert reaction media. The following new, slow-evaporating liquids are powerful solvents for dyes, inks, and resins.

METHYL "CARBITOL"

$CH_3OC_2H_4OC_2H_4OH$

. . . the lowest boiling (193.2°C.) ether of diethylene glycol . . . is completely soluble in water and, being the first member of a homologous series, it possesses some singular properties as a solvent, especially for dyestuffs. It can be employed in wood stains and textile dye pastes in the same manner as "Carbitol." Its primary alcohol group can be changed to an aldehyde or acid radical and makes possible industrially interesting esters, ethers, halides, and amides.

DIMETHOXYTETRAGLYCOL

$(CH_3OC_2H_4OC_2H_4)_2O$

. . . a stable, water-white liquid with a boiling point of 275.8°C. . . . is the dimethyl ether of tetraethylene glycol. Although it consists entirely of hydrocarbon and ether groups, it is completely soluble in water. The presence of five ether groups in its molecule indicates a high solvent power. Its low volatility suggests its use as a plasticizer, while its chemical inertness makes it suitable as a neutral reaction medium.

DIBUTYL ETHER

$C_4H_9OC_4H_9$

. . . a colorless liquid boiling at 142.6°C. . . . has a flash point of 100°F. The presence of two butyl groups assures a high solvent power for many complex hydrocarbons and fatty materials. Its solubility in water is only 4 per cent of that of ethyl ether, which makes it an economical extracting agent for treating aqueous systems. Other advantages for extraction processes are its stability, ease of recovery, and decreased fire hazard. The low solubility of water in this ether makes it a convenient medium for reactions such as the Grignard which require a strictly anhydrous ethereal vehicle. It also forms numerous constant-boiling mixtures which make it useful for purifying other solvents.

DIETHYL "CARBITOL"

$(C_2H_5OC_2H_4)_2O$

. . . a colorless, almost odorless liquid . . . boils at 186.0°C. Its slow evaporation rate and high solvent power for nitrocellulose and resins indicate its use as a high-boiler in brushing lacquers. When added to colloidal systems, such as detergents and wetting agents of limited water solubility, it permits dilution with water without gelling or clouding. Since it is composed entirely of ether and hydrocarbon groups, it is chemically inert and makes an excellent high-boiling reaction medium.

PHENYL "CELLOSOLVE"

$C_6H_5OC_2H_4OH$

. . . a water-white liquid with a faint aromatic odor . . . boils at 245.2°C. Since it is partially soluble in water and contains both the ethanol and phenyl groups, it will dissolve a host of diverse materials. Being almost odorless, it is effective as a fixative for delicate perfumes in soaps and cosmetics, where its high alcohol solubility is an advantage. It is stable in the presence of acids and alkalies, remains colorless, and does not become rancid. Its alcohol group makes it a potential intermediate for the synthesis of plasticizers, germicides, and pharmaceuticals.

Further information will be gladly furnished on your request.

The words "Carbitol" and "Cellosolve" are registered trade-marks.

CARBIDE AND CARBON CHEMICALS CORPORATION

Unit of Union Carbide and Carbon Corporation

UCC

30 East 42nd Street, New York, N. Y.

PRODUCERS OF SYNTHETIC ORGANIC CHEMICALS

Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Volume 134 AUGUST 22, 1938 Number 8

RECEIVED AUG 23 1938

Management Congress Will Convene Sept.19

The program of the approaching Seventh International Management Congress contains scheduled addresses and papers by more than 200 experts in the fields of administration, production, distribution, personnel, agriculture and the home. The congress will open its five-day series of general and technical sessions in Washington September 19.

More than 2,000 Americans, and from 300 to 500 persons from other countries are expected to attend. The congress is a triennial event, and this is the first to be held in the United States.

Speakers and contributors of papers will develop the two official themes of the meeting:—"Recent Developments in Management" and "Economic and Social Aspects of Management." At the general sessions a feature will be the presentation of both American and foreign points of view on the most important aspects of management in relation to social and economic problems.

Among the speakers announced in the program are Cordell Hull, secretary of state; Daniel C. Roper, secretary of commerce; Lewis H. Brown, president of the Johns-Manville Corporation; W. J. Cameron, of the Ford Motor Company; Karl T. Compton, president of Massachusetts Institute of Technology; William Allen White, editor of the *Emporia Gazette*; and John G. Winant, director of the International Labor Office. Among those who will preside at the various sessions are C. S. Ching, director of industrial and public relations for U. S. Rubber Products, Inc.; Clarence Francis, president of the General Foods Corporation; Dr. Harvey N. Davis, president of Stevens Institute of Technology; W. Averell Harriman, partner in Brown Brothers, Harriman & Co.; and Charles R. Hook, president of the American Rolling Mill Company.

The sponsoring group is the International Committee of Scientific Management, of which the Right Honorable Viscount Leverhulme, of Great Britain, is president, and Harry Arthur Hopf,

—Continued on page 27

Trade Ass'n Executives Will Meet Sept. 22

Industrial and agricultural problems, employer-employee relations, State and Federal legislative trends involving the economic security of the worker, the consumer and the producer will be discussed at the nineteenth annual meeting of the American Trade Association Executives to be held in the William Penn hotel, Pittsburgh, September 22, 23, 24.

North Storms, of the National Glass Distributors Association, Chicago, as president of the American Trade Association Executives, will open the convention. Entertainment for the ladies will be provided by the Pittsburgh chapter of the national organization, and other recreational features will include a banquet and a golf tournament for the association's silver trophy. The program follows:—

Sept. 22—Morning Session

"Employer—Employee Relations," by a speaker invited.

"The Federal Wage-Hour Law," by John C. Gall, counsel for the National Association of Manufacturers, New York.

"The National Economic Committee Investigation," by Edwin B. George, of Dun & Bradstreet, New York.

Afternoon Session

Report of Nominating Committee.

"Modern Responsibilities of Trade Associations," by a speaker invited.

"State Legislation That May Pass in 1939," by Harry Meixell, manager of the legislative department of the Automobile Manufacturers Association, New York.

"Industry-Government Relations," by Prentiss Coonley, assistant to the chairman of the Business Advisory Council, Washington, D. C.

Sept. 23—Morning Session

"Beneficial Effects of American Industrial Research in Lowering Prices and Increasing Employment," by a speaker invited.

—Continued on page 46

Andrews Takes Office As Wage-Hour Head

OPD Washington Bureau
August 16, 1938

Elmer F. Andrews took the oath of office as administrator of the fair labor standards act today and at once began to establish machinery to enforce the wage-hour law when it takes effect October 24.

Mr. Andrews will appoint a deputy administrator and two assistant administrators, one in charge of compliance and the other in charge of industry committee co-operation. A staff of approximately 1,000 will be built up from the civil service rolls. It was learned that Mr. Andrews was considering the appointment of Paul Sifton, head of the New York State unemployment compensation division, as deputy administrator. Mr. Sifton was his deputy administrator when Mr. Andrews was New York State Industrial Commissioner.

The first industry committee to be appointed was for textile manufacturing. Donald M. Nelson, vice-president of Sears, Roebuck & Co., has been named as chairman of the textile industry committee.

Mines Bureau to Establish Experiment Station in Tenn.

OPD Washington Bureau
August 18, 1938

Establishment of an experiment station by the Bureau of Mines in Norris, Tennessee, has moved a step closer as the result of the signing of a one-year co-operative agreement between the Tennessee Valley Authority and the Bureau of Mines, Secretary of the Interior Harold L. Ickes announced. Under the agreement the bureau will supervise operation of a laboratory in an enlarged experimental program to promote the utilization of non-metallic minerals found in the Tennessee Valley and adjacent areas. The laboratory building to be used has for the past several years been utilized for ceramics research and experiments. This research has virtually been completed.

Employment Relations Guide Offered by Manufacturers Ass'n

Recognition of the essentialness of adequate mutual understanding of the problems of management and men to the maintenance of satisfactory business operations is given by the employment relations committee of the National Association of Manufacturers in presenting suggestions for procedure with respect to employer-employee relations. The need for proper provisions for attaining such understanding is stressed by the committee for importance in the elimination of causes of complaint and the avoidance of misunderstanding.

Convinced by the findings of an intensive survey of employer-employee relations, the association expresses the belief that there is no specific plan, formula, or procedure in the field of employment relations which can satisfactorily meet the varying conditions and problems of different plants in different industries and communities. It is the belief of the association, however, that satisfactory relations between management and employees will result from application of certain fundamental principles.

Fundamental Principles

For general application to the purpose of developing and maintaining satisfactory employer-employee relations the association holds the following principles to be fundamental:—

1. A mutual respect and consideration by each for the problems and viewpoints of the other.
2. Promotion of the widest understanding that the greatest measure of well-being for both employers and employees and maximum possibility of obtaining the full economic value of their services lie in the development of the common enterprise in which they are engaged.
3. Free interchange of ideas between management and employees in all matters such as wages, hours, and conditions of employment.
4. Development of each company of a sound and well-defined employment policy.

Although it is given place elsewhere in the association's commentary on employment relations, the following procedure is clearly of fundamental importance:—

Scrupulous observance in both letter and spirit of all commitments by the company to its employees.

These guides to satisfactory employment conditions are contained in a pamphlet issued by the National Association of Manufacturers with the title, "Model Employment Producers." In large part this pamphlet is devoted to statements of a number of practices and policies which the association's committee on employment relations in its survey found in use in many plants. These are offered for careful study by all manufacturers, the separate groups of suggestions being accompanied with spaces for comparison with existing plant conditions and for recommendation.

The subject matter of the "Model Employment Procedures" pamphlet has also been made available by the association as a sound slide film for study at company meetings. In the same two forms—pamphlet and film—the association has available an earlier commentary, "What Employees Think," in which are presented the findings of a survey. The two commentaries are supplementarily related in informative and instructive usefulness.

Model Employment Procedures

The practices and policies collected and presented cover eleven primary aspects of employer-employee relations. The subject of wages is treated first, because the earlier survey of employees' views disclosed wages to be predominant.

With respect to certain aspects of employmen relations the association offers the following procedure:—

Wages

1. A general wage level, at least equal to the wage level for similar work and conditions in the locality; the wage for each job being determined, relatively with other jobs in the plant with due regard for skill, responsibility, experience, physical demands and hazards, which the job requires.
2. Where adequate wage incentives can be fairly applied they may be properly used, provided such incentives are a reward for individual or groups accomplishment.
3. Fair standards of performance which can be reasonably and consistently attained, with no change of such standards unless a material change has been made in conditions, methods, or equipment.
4. Wage plans sufficiently clear to enable the worker to determine promptly the money due him.

Hours

1. A general standard of working hours fully consistent with the welfare and health of employees, considering the type

—Continued on page 27

Chinese Vegetable Tallow

Source, Preparation, Sampling, Testing

By K. Ho, C.T. Chen, and P.P. Hsu

Chemical Research Laboratory, Government Testing Bureau, Hankow, China

Published with the permission of Dr. C.Y. Wang, Commissioner of the Government Testing Bureau

Chinese vegetable tallow is obtained from the outer albuminous coating of the seeds of *Sapium sebiferum*. The tree is 15 to 20 feet in height. It has grayish-white bark and pale-green leaves which assume a brilliant red color in Autumn and Winter. It blossoms in June into yellowish-white flowers. The brownish-black capsular fruit, which is about ½ inch in diameter, bursts when fully ripe, and thus discloses the three seeds which it contains. The seed consists of a kernel enclosed in a hard, black shell thickly covered with a layer of fatty substances. This outside layer constitutes 60 to 70 percent, and the kernel constitutes 30 to 40 percent of the seed[1], [2].

From the seed, by heating with steam, a white solid fat is obtained. This is known as white vegetable tallow. From the kernels, by expressing, is obtained a liquid oil possessing drying properties, known as stillingia oil. Green vegetable tallow is a mixture of white tallow and stillingia oil obtained from the whole seeds.

The tree is indigenous in southern China, Indo-China, and northern India. Hupeh, Szechuen, and Chekiang are the principal producing provinces in China. Recent estimated production in China amounts to a total of 646,630 piculs. The distribution in different provinces is given in table I.

Table I

Estimated Production of Vegetable Tallow in Different Provinces in China

Province.	Production (Piculs)
Hupeh	300,000
Szechuen	160,000
Chekiang	117,000
Kiangsi	38,800
Kwangsi	11,300
Shensi	8,600
Kweichow	4,900
Anhwei	2,800
Honan	1,650
Kwangtung	1,000
Hunan	580
Total	646,630

Preparation of the Tallow

In the most common method of preparation of white vegetable tallow, the fruits are first bruised and sifted to separate the outer shell. The cleaned seeds, with their fatty coating, are next put in a wooden kettle with a perforated bottom, the kettle itself being placed over an iron vessel containing boiling water. The seeds are steamed in this manner for ten to fifteen minutes until the fat is quite soft. They are then

—Continued on page 56

[1] Bull. Imp. Inst.—28:429-31 (1930).
[2] Lemarie: Chinese Vegetable Tallow; Bull. Imp. Inst.—4:206-12 (1903).

Fireworks Wage Limits Recommended by P.C.B.

OPD Washington Bureau
August 18, 1938

The Public Contracts Board has recommended that the Secretary of Labor fix minimum wages for employees engaged in filling fireworks contracts with the Federal government, under the provisions of the Walsh-Healey act.

Wages recommended are 31.25 cents an hour, or $12.50 a week of forty hours, arrived at either on a time or a piecework basis, for the manufacture or supply of commercial fireworks, and 37½ cents an hour, or $15 a week of forty hours, for the manufacture or supply of fuses, flares, and ship and railroad torpedoes.

The recommendations were based on evidence taken at a public hearing held in Washington May 2.

Closing Market Developments

Dried Blood Continues Down

Local holders of supplies of dried blood lowered their asking prices for the second time within the week when offerings were made at $2.80 per unit Friday. This was 10c. per unit lower than an earlier asking price and compared with $3.15 per unit at the close of the preceding week. Buyers showed little interest at any figure.

Tin Salts Steady

Quotations for various tin derivatives remained steady later in the week. Tin crystals were quoted at 34½c. to 35c. per pound; anhydrous tetrachloride of tin 22c. per pound and soda stannate 29c. to 32c. per pound. Straits tin was 43c. per pound.

Chinawood Oil Quiet

Chinawood oil was quiet late in the week. According to some reports the Hongkong market was a shade easier. Offerings from local importers were light and quotations here were largely nominal at around 13c. to 13.2c. per pound in tankcars.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Barium Carbonate:—In accordance with a French decree the importation of precipitated barium carbonate has been provisionally suspended by an interministerial decision of July 13. Shipments made directly to France before the publication of the decision and which are declared for consumption without being placed in warehouse, will, however, be admitted.

Bone Meal:—Bone meal cake intended for cattle feed has been granted dutyfree entry into Norway until June 30, 1939.

Brazilian Merchandise:—All merchandise in stock in Brazil subject to the consumption tax must be stamped in accordance with the new taxes by October 1, 1938.

Cacao:—Venezuela has increased the import bounty on cacao from 10 to 15 bolivars per sack of 50 kilograms. The decree also provides that, in order to receive the additional bounty on cacao, exporters must present evidence to prove that the producer has received the amount of the increase in bounty, otherwise the former bounty of 10 bolivars per 50 kilograms will be paid.

Divi-Divi: — Venezuela has reduced the export bounty on divi-divi to 25 percent ad valorem.

Mercurials:—The United Kingdom Import Duties Advisory Committee has received an application for an increase in the import duty on mercuric chloride and mercurous chloride.

Rubber Symposium Program Arranged

Mechanical problems in the production and use of rubber will be specially emphasized in the symposium on "Rubber" arranged by the committee on rubber and plastics for the Fall meeting of the American Society of Mechanical Engineers. The meeting will be held October 5 to 7 in the Providence-Biltmore hotel, Providence, R. I.

At the first session of the symposium, October 5, at 9:30 a.m., Dr. W. C. Geer, Ithaca, N. Y., will present a paper on "The Engineering History of Rubber," and E. R. Bridgwater, of E. I. duPont de Nemours & Co., will discuss "Synthetic Substances with Rubberlike Properties." At 2:00 p.m. the same day E. G. Kimmich, of the Goodyear Tire & Rubber Company, will discuss "Problems in the Production of Rubber," and F. L. Haushalter, of the B. F. Goodrich Company, will talk on "The Mechanical Characteristics of Rubber."

The committee on rubber and plastics will meet in the evening of October 5 to discuss projects for 1939 and 1940. Technical representatives of companies engaged in either the production or the use of rubber and plastics are invited to attend. The next afternoon A.S.M.E. members and visitors at the convention will be entertained with an inspection trip through the Providence plant of the United States Rubber Company.

Chemical Price Movement Small

There were relatively few price changes in the markets for heavy and fine chemicals last week. Most of these were reductions, but the majority of them were of little significance in respect of a general trend.

Business was better in spots, an increased demand from the textile industry being noticeable. There was spotty slackening also, chiefly resulting from seasonal trends. On the whole there was some more evidence of slow, steady improvement.

Prices were advanced on domestic casein and several varieties of copal.

Prices were reduced on isobutyl alcohol, nitrate of barium, imported nitrate of strontium, quicksilver, dicalcium phosphate, gum rosin, Batavia and Singapore dammars, several varieties of copal, R2 myrobalans, imported and domestic dried blood, domestic tankage, and imported nitrogenous fertilizer stuff.

The REPORTER'S composite index number of prices for heavy and fine chemicals remained at 125.7 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 89.0, compared with 90.0 a year ago and 86.6 in 1936.

Contents of This Issue

News and Statistics

Andrews Takes Office as Wage-Hour Administrator ... 3
Agricultural Areas for Research Selected ... 4
Atlantic Research Segregates Production ... 34
American Agricultural Chemical Reports Profit for Year ... 58
Chinese Vegetable Tallow ... 3
Cottonseed Crushings Increase ... 36
Drug Press Editors Inspect Progress of World Fair Plans ... 42
Ecuador Tariff Pact Helps Paints and Pharmaceuticals ... 5
Employment Relations Guide Offered by Manufacturers Assn ... 3
F.W.D.A. Meeting Oct. 5 ... 3
Fireworks Wage Limits Recommended by P.C.B ... 3
Fertilizer Tag Sales: July ... 49
Foss President of Wooster Brush Co. ... 30
Fractionating Columns Discussed ... 50
Golden Gate Paint Ass'n Nominates Sullivan President ... 55
Kerrigan Back from European Sojourn ... 41
Knickerbocker Silver Sold ... 41
Little Business Federation Elects Olmsted Chairman ... 4
Long Beach Oil Lease Granted to Signal Company ... 56
Liquor Flavors Banned in N.J ... 46
Mines Bureau to Establish Experiment Station in Tenn ... 3
Management Congress Meeting Sept. 19 ... 3
Mexican Export Tax Rates Fixed ... 5
Mexico to Cut Import Duties ... 5
Motor Truck Rates Raised by I.C.C. 5
Meyer Drug to Observe Eighty-Sixth Anniversary ... 41
N.Y.Textile Chemists Entertain Europeans ... 30
N.P.V.L.A. Convention Reservations Urged ... 34
National Paint Salesmen to Meet September 16-18 ... 34
Noxzema Chemical Forms Department Heads Board ... 41
Petroleum and Magnesite Duty Reductions Opposed ... 5
Perkin Centenary To Be Commemorated ... 29
Petroleum Production ... 48
Paint Plant for Singapore ... 30
Paint Styling Council to Analyze Color Surveys ... 58
Penna. Oil Probe Bill Signed ... 56
Petroleum Market Status ... 47
Penick, Jr., Back at Desk After Eye Operation ... 41
Rubber Symposium Program Arranged ... 4
Slash Pine Forestry Assn. Plans 1938 Festival ... 4
Sulphuric Acid Output Up at Copper, Zinc Plants ... 50
Stroock & Wittenberg Plans Expansion Program ... 27
Solvay Process Co. to Erect Soda Bicarbonate Plant ... 46
Sharpe & Dohme Strike Ends ... 41
Trade Association Executives to Meet Sept. 22 ... 3
Tariff Commission Staff Placed Under Civil Service ... 5
Tung Oil Mill Nears Completion in Australia ... 56
Walnutshell Flour Has Unique Properties ... 42
Yeast Held to Be Drug ... 40

General Features

Advertisers' Index ... 59
Bids Wanted ... 50
Chemical Price Trends ... 4
Classified Advertisements ... 58
Closing Market Developments ... 4
Contracts Awarded ... 50
Corporation Earnings ... —
Dividends Declared ... 21
Editorials ... 22
Foreign Trade Openings ... 55
Foreign Trade Rules ... 4
Industrial Uses of Chemicals ... 57
Obituaries ... 50
Prices Current ... 7
Scientific, Professional Services ... 44
Trade News Briefs ... 21, 40, 48
What You Can Use ... 48
Where You Can Sell ... 57

Market Reports

Botanical Drugs, Spices, Gums ... 43
Coaltar Chemicals ... 28
Drugs and Fine Chemicals ... 39
Dyestuffs, Textile and Leather Chemicals ... 30
Essential Oils and Aromatics ... 45
Fertilizer Materials ... 49
Heavy Chemicals ... 24
Oils, Fats and Waxes ... 35
Paint, Varnish and Lacquer Materials ... 31
Petroleum Solvents, Lubricants, Fuels ... 47

Shipping Information

Cargo Ship Arrivals ... 55
Charters ... 55
Coastwise Shipments ... 55
Exports ... 53
Imports ... 51
Imports Detained ... 55

Oil, Paint and Drug Reporter, Volume 134, No. 8, August 22, 1938. Published weekly by Oil, Paint and Drug Publishing Company, Inc., 59 John Street, New York. Annual subscription price:—United States, $5; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter January 15, 1884, at the Post Office at New York, N. Y., under the Act of March 6, 1879.

Agricultural Areas For Research Selected

OPD Washington Bureau
August 17, 1938

The areas to be served by the four regional agricultural research laboratories provided for by the new farm law have been selected by the Secretary of Agriculture, and the commodities to be studied initially have been designated.

Exact locations of each of the laboratories will be selected later on the basis of offers of donations of land and other facilities. The areas and the States served are as follows:—

Southern area, Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, Oklahoma, South Carolina, and Texas; Eastern, Connecticut, Delaware, Kentucky, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, North Carolina, Pennsylvania, Rhode Island, Tennessee, Vermont, Virginia, and West Virginia; Northern, Illinois, Indiana, Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, Wisconsin, and Michigan; Western, Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

The following farm commodities and their by-products will be studied first when the laboratories are established:—

In the Southern laboratory, cotton, sweet potatoes, and peanuts; in the Eastern laboratory, tobacco, apples, Irish potatoes, milk products, and vegetables; in the Northern laboratory, corn, wheat, and agricultural waste products; in the Western laboratory, fruits, other than apples, and vegetables, Irish potatoes, wheat, and alfalfa.

The designations were made on recommendations of a departmental committee which took into consideration such questions as the farm population of each area, value of farm property, gross cash income from the sale of farm products, equalization of the research load among the four laboratories, and location of regional offices of the Agricultural Adjustment Administration.

Little Business Federation Elects Olmsted Chairman

OPD Washington Bureau
August 16, 1938

George Olmsted, president of the Travelers Mutual Casualty, Des Moines, Iowa, has been elected chairman of the national governing committee of the American Federation of Little Business. Mr. Olmsted, a former president of the United States Junior Chamber of Commerce, succeeds William P. Ames, Arlington, Va., who was elected temporary chairman following establishment of the national organization last February.

Other officers elected were:—Vice-chairman, Matt R. Bernhardt, of Bernhardt-Seagle Hardware Company, Lenoir, N. C.; treasurer, John P. Stafford, of Stafford & Turner, Easton, Md.; secretary, George Ferris, of George M. Ferris & Co., Washington, D. C.

Members elected to the national governing committee are:—Mark M. Jones, of Akron, Ohio, and New York, president of the Akron Leather Belting Company and president of the American Leather Belting Association; John H. Armbruster, of John H. Armbruster & Co., St. Louis, Mo.; R. S. Robie, president of the U-Dryvit Auto Rental Company, Cambridge, Mass.; J. Eastman Hatch, of Eastman Hatch & Co., Salt Lake city, Utah; Tilghman A. Turner, of the Turner Insurance & Bonding Company, Montgomery, Ala., and T. K. Akra, of the Akra Brothers Department Stores, Jacksonville, Fla.

Slash Pine Forestry Ass'n Plans 1938 Festival for Lake City, Fla.

The Slash Pine Forestry Association will hold its 1938 forest festival in Lake City, Fla., November 14 to 19. For three successive years, beginning 1935, the festival was held in Waycross, Ga., with the 1936 festival having been dedicated to the late Dr. Herty, who had been chairman of the advisory board of the association. During the 1938 festival there will be a Herty Memorial Day, and to which his friends will be invited.

Establishment of model demonstration forests along main highways in the slash pine area, to be known as Herty Memorial Forests, is planned.

Mexico Will Cut Import Duties Sept. 1

OPD Washington Bureau
August 18, 1938

Reductions in Mexican tariff duties on a group of raw materials will become effective September 1, according to advices received by the Department of Commerce.

A second tariff act passed by the Mexican government will restore lower rates on a group of commodities which became subject to greatly increased rates December 31, 1937. This second measure has not yet been promulgated, according to the Department of Commerce, but it, too, is expected to become effective September 1.

The following table shows the old and new rates on some of the products included in the act already promulgated (in the designating of units, L.K. means legal kilo; G.K. means gross kilo):—

	Unit.	New rate effective Sept. 1 (pesos).	Current rate (pesos).
Quinine and its salts	L.K.	free	2.0
Natural and artificial arlizarins	G.K.	0.30	0.35
Atebrine, plasmoquine and totoquine	L.K.	free	2.00
Anthracene	G.K.	0.20	0.25
Naphthylamine	G.K.	0.12	0.15
Resorcin, in containers of more than 20 kilos	L.K.	0.60	0.75
Compositions for caulking barrels with a base of rosin and paraffin	G.K.	0.17	0.20
Mixtures of paraffin and coloring matter for making carbon paper	G.K.	0.20	0.25
Compositions with base of greasy material and resinous substance to keep belts from slipping	G.K.	0.20	0.25
Mixtures of paraffin and red or yellow colors for coating cheese	G.K.	0.20	1.00
Compositions with asbestos base for covering boilers	G.K.	0.03	0.04
Mixtures of graphite and manganese oxides	G.K.	0.17	0.20
Fertilizers of chemical, vegetable, or animal origin, except guano	100 G.K.	0.40	0.50
Vegetable dyeing extracts	G.K.	0.08	0.10
Gambier extract	G.K.	0.12	0.15
Logwood extract	G.K.	0.12	0.15
Vegetable dyeing extracts, not specified	G.K.	0.12	0.15
Shoe and leather polishes, not having a base of alcohol or ether, in containers of more than 5 kilos	G.K.	0.38	0.40
Extracts with a base of cellulose sulphite for improving leather	G.K.	0.05	0.06
Smoke extract for preserving meat	L.K.	0.08	0.10
Sizes and glues, not specified, in containers of more than 5 kilos	G.K.	0.12	0.14
Casein	G.K.	0.09	0.12
(There will also be reductions on a number of semimanufactured products of casein and other plastic materials).			
White cyanide of potassium and sodium	G.K.	0.008	0.01
Black alkaline cyanides in wafers	G.K.	0.40	0.50
Mixtures and preparations not specified or organo-metallic origin for industrial purposes	G.K.	0.25	0.30
Compositions for scouring hides with base of cellulose derivattives and ammoniacal salts	G.K.	0.06	0.08
Insecticide materials not specified	L.K.	0.08	0.10
Paris green	L.K.	free	0.02
Drugs and pharmaceutical specialties of all kinds with base of quinine without added substances other than solvents	L.K.	free	2.00
Alcoholic or ethereal solutions of aromatic principles of flowers	L.K.	7.00	8.50

Motor Truck Rates Raised by I.C.C.

OPD Washington Bureau
August 16, 1938

The Interstate Commerce Commission today prescribed minimum freight rates for common carriers by motor truck in the New England and Central freight territories, the first minimum rates established since the motor carrier act went into effect.

The rates prescribed are those which are already on file by the principal motor carrier traffic bureaus in both regions, with a few exceptions specified by the commission, and apply to both class and commodity rates. Carriers not parties to the tariff bureaus will not be required to join the bureaus but may not cut their rates below those approved by the Interstate Commerce Commission. The rates of contract motor carriers are not affected. In both decisions the Interstate Commerce Commission noted that there are many irregularities and inconsistencies in the rate structure, but it declared that an emergency exists in that rate wars have reduced the earnings of trucking companies to a seriously low level. Further hearings will be held in the future to correct inequalities in the rate structures.

—Continued on page 46

Mexican Export Tax Rates Fixed

Mexico City, Aug. 18, 1938

The valuation of Mexican export commodities for the purpose of levying the export tax of 12 percent ad valorem have been fixed by the Mexican valuation committee. These rates are in effect to September 20 or until amended by subsequent announcements.

For metals and compounds, the tax is based upon the metallic content at the following valuations in Mexican pesos per net kilogram:—Gold, 4707.50; silver, 35.52; copper, 0.269; antimony, 0.515; and zinc, 0.050. Exports of chicle are taxed 2.38 to 3.75 Mexican pesos per gross kilogram, according to proportion of domestic fiber used in containers.

For petroleum and its derivatives, at 20 degrees centigrade, per cubic meter; crude petroleum with a density of 0.96 or less, 32.43; crude petroleum with a density of more than 0.96, 22.50; combustible petroleum, 30.46; gas oil, 37.20; crude gasoline, 46.74; refined gasoline, 71.60; crude kerosene, 44.28; refined kerosene, 59.37, and lubricating oil, 250.93.

F.W.D.A. Meeting Oct. 5

The Federal Wholesale Druggists Association will hold its annual meeting in the Stevens hotel, Chicago, October 5-8. These dates were chosen at a meeting of the executives last week. Lee Williamson, Baltimore, is the national secretary. Delegates to the convention are expected to make their own reservations at the hotel. A. E. Zuber, of the Mutual Drug Company, 310 Washington street, is the Chicago secretary.

Petroleum and Magnesite Duty Reductions Opposed

OPD Washington Bureau
August 15, 1938

Representatives of a number of industries, among them petroleum producers and refiners and magnesite operators, appeared before the Committee for Reciprocity Information today to urge that no reduction in the import taxes on their products be made in the forthcoming tariff bargain with Venezuela.

Russell B. Brown, of the Independent Petroleum Association, presented a prepared statement which he supplemented orally. He told the committee that oil, as a natural resource, deserves special tariff consideration, and the reduction of the present import taxes might result in large increases in importations. He said that relatively small imports of cheap oil produced abroad by poorly paid labor can set the price for all United States production.

Oil importers generally, he said, would not object to lowering the price of their own domestic production, because they are integrated companies; but small independent companies would be wiped out. Mr. Brown said that importers have held down their imports because of the fear of congressional action should there be a sharp rise in imported oil, but he declared that a tariff reduction by way of a reciprocal trade agreement would make congressional action impossible for the life of the agreement and would remove this restraining influence from those who would like to import large quantities of cheaply produced oil.

Effect on Conservation

Committee members questioned Mr. Brown' argument that conservation is encouraged by preventing imports. To this he replied that undeveloped resources are a national necessity, but that capital is not attracted to oil exploration unless the price of crude remains high. In addition, he said, in times of low prices wells are abandoned before all the oil is recovered.

E. B. Reeser, representing the Oil Producers Agency of California, told the committee that imported oil has replaced California oil formerly shipped through the Panama Canal to the Eastern seaboard. If these imports were cut off, he said in answer to a question from the committee, California could regain perhaps 75 percent of this lost market.

Appearing for the Pennsylvania Grade Crude Oil Association, Mary C. Mallon said that producers and refiners of Pennsylvania grade crude are now losing money, and are continuing in business from month to month in the hope that a rise in general business conditions will make it possible for them again to operate at a profit. She said that any important change in the imports situation would upset the proration scheme of the interstate oil compact which has been of great benefit to Pennsylvania grade operators.

Effect on Coal Industry

John B. Scott, representing the Anthracite Institute, the Citizens' Anthracite Institute of Wilkes-Barre, Pa., and the Retail Solid Fuel Industry, joined the oil representatives in opposing a duty cut. He declared that 13,000,000 tons annually has been lost to fuel oil by the coal industry, and that of this total 5,000,000 has gone to imported fuel oil.

John D. Battle, of the National Coal Association, told the committee that a reduction of the oil duty in the Venezuelan tariff bargain would further complicate the already involved affairs of the fuel industries.

Representatives Jennings Randolph of West Virginia and J. Harold Flannery of Pennsylvania pointed out that a duty cut in the agreement would make it impossible for Congress to take any action on the subject during the life of the agreement, and asked the committee not to tie the hands of Congress. They declared that further oil imports would hamper the government in its efforts to rehabilitate the coal industry, and would increase unemployment in anthracite and bituminous regions.

Views on Magnesite

Appearing for the magnesite industry were D. W. Stewart, representing Basic

—Continued on page 48

Ecuador Tariff Bargain Helps Paints, Pharmaceuticals

OPD Washington Bureau
August 16, 1938

The new reciprocal trade agreement with Ecuador, which will go into effect thirty days after it is officially proclaimed, includes concessions for United States exports of lard, lubricants, paints, pharmaceuticals, dentifrices, and powdered milk, among other export products, and duty concessions on imported tropical products, including annatto, cinchona bark, and tagua nuts.

The agreement is similar to others which have been put into effect, and provides for unconditional most-favored-nation treatment. Ecuador agrees to make reductions in fifteen items and to bind eighteen other items at existing rates. These thirty-three items comprise more than 200 individual articles. United States exports of these articles to Ecuador in 1937 constituted almost one-half of this trade and had a total value of a little more than $5,000,000. In addition, the Department of State says, the agreement continues the extension to a long list of United States export commodities of the special schedule of tariff rates which are lower than the general rates of duty and which are granted to imports from certain countries with which Ecuador has commercial agreements. These lower rates were hitherto enjoyed tentatively under the provisional commercial agreement effected by an exchange of notes signed June 12, 1936. This special schedule includes rates 30 percent below the general duties, affecting a number of important commodities, including vegetable oils, as well as the tariff treatment which is accorded by Ecuador under special agreements, such as that between Ecuador and Chile, affecting a number of important articles among United States exports to Ecuador.

Ecuadoran industrial and commercial organizations and concerns are petitioning the constitutional congress to repeal the law that requires the licensing of imports.

The effects of the tariff bargain on exports and imports of articles of interest to readers of the REPORTER are shown by the following comparisons of rates:—

United States Exports Affected by Tariff Bargain with Ecuador

Ecuadoran tariff item.		Dutiable unit*.	Ecuadoran duties (sucres)†. Old rate.	New rate.
9-b	Powdered, evaporated and condensed milk	L.K.	0.45	0.45
Ex 13-a	Hog lard	G.K.	0.50	0.25
154	Lubricating oils and greases	G.K.	0.45	0.315
Ex 277	Liquid prepared paints, enamels, lacquers	G.K.	0.80‡	0.60§
292	Dentifrices	L.K.	3.95	2.765
374-c	Pharmaceutical products and preparations‖	L.K.	1.70¶	1.20§
900	Oilcloth and artificial leather	L.K.	1.96	1.96

* Abbreviations: L.K. = legal kilo; G.K. = gross kilo.
† Effective duties on United States products.
‡ But not less than 30 percent ad valorem.
§ No minimum ad valorem restriction.
‖ The Ecuadoran government agrees that it will not impose any certification requirements or any formality for the importation, registration, licensing and sale of pharmaceutical specialties and patent medicines which are impossible of fulfillment in the United States because of the lack of a duly authorized Federal agency.
¶ But not less than 15 percent ad valorem.

United States Imports Affected by Tariff Bargain with Ecuador

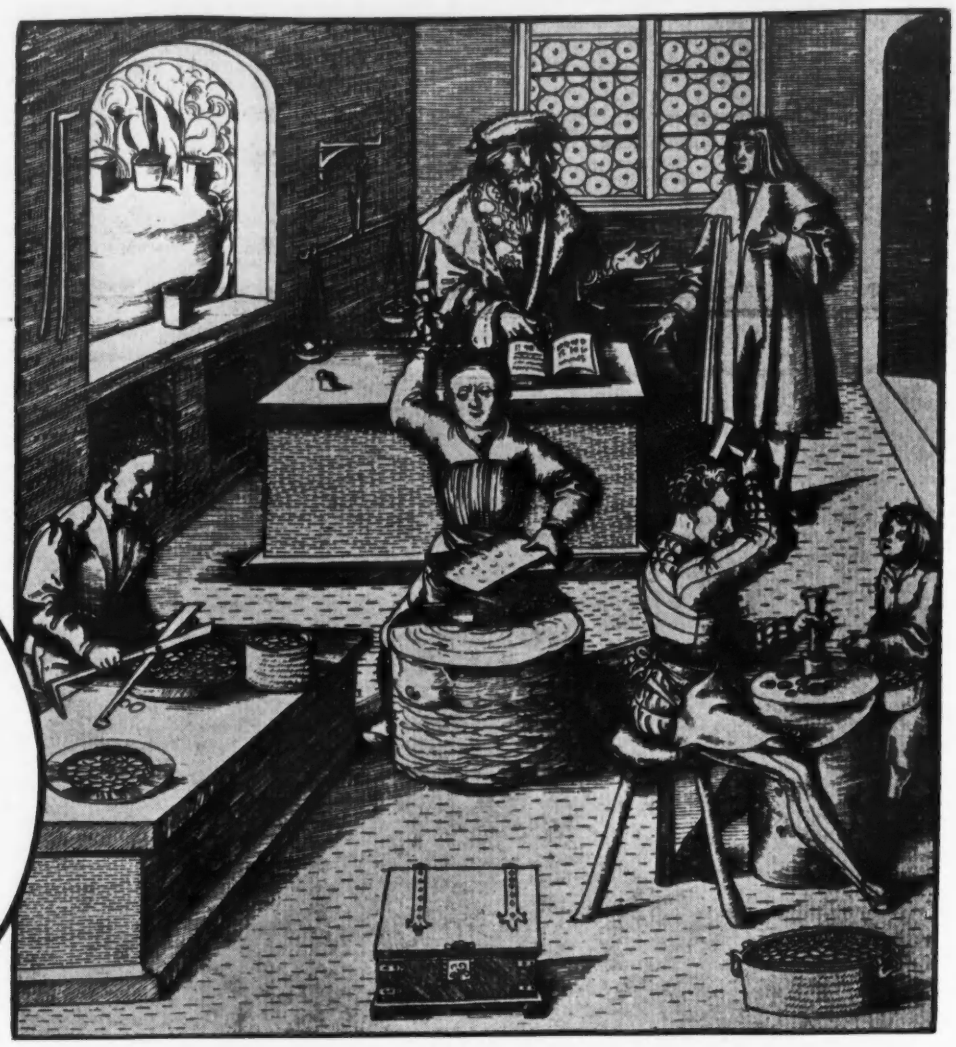
U. S. tariff act paragraph.		1930 rate.	Bargain rate.
752	Bananas, dried, desiccated, or evaporated	35% ad valorem.	17.5% ad valorem.
806(a)	Naranjilla (Solanum quitoense, Lam.) juice, n.s.p.f., containing less than one-half of one percentum of alcohol	70c. per gal.	35c. per gal.
806(b)	Concentrated naranjilla (Solanum quitoense, Lam.) juice, fit for beverage purposes	70c. per gal. on the quantity of unconcentrated fruit juice contained in such concentrated juice as shown by chemical analysis.	35c. per gal. on the quantity of unconcentrated fruit juice contained in such concentrated juice as shown by chemical analysis.
1609	Annatto, prepared or unprepared, and extracts thereof, not containing alcohol	Free.	Bound free.
1619	Barks, cinchona or other, from which quinine may be extracted	Free.	Bound free.
1653	Cocoa or cacao beans, and shells thereof	Free.	Bound free.
1778	Tagua nuts	Free.	Bound free.

Tariff Commission Staff Now Under Civil Service

OPD Washington Bureau
August 16, 1938

Through an agreement between itself and the Civil Service Commission and with the approval of the President, the United States Tariff Commission by unanimous vote has placed practically all its expert personnel within the civil service. The only exceptions are temporary expert consultants for special non-continuing assignments and the positions expressly excepted in the act creating the commission, namely, the secretary to the commission and personal secretaries of the commissioners.

The action affects the entire expert staff, which the Tariff Commission has by careful selection gradually built up under its authority to appoint special experts outside the civil service. This staff, consisting of approximately 140 persons, includes commodity specialists, economists, accountants and specialties in international commercial policies. Of this group 72 percent have been in the service of the commission over five years. Nearly 30 percent had qualified under the civil service and served elsewhere in the government before coming with the commission.



"The New Art of Coinage"

This woodcut by Hans Burgkmair (c. 1514) shows the operation of an early mint. Because of its high intrinsic value, silver has long been used as money. But science has continually enlarged its field of usefulness, and now both silver metal and silver salts have many applications in medicine, photography, and the process industries.

SHINING QUALITIES
of Mallinckrodt Silver Salts

✓ Strict chemical purity, guarded by accurate laboratory control.

✓ Uniform physical characteristics. ✓ Exceptional stability.

✓ Suited to medicinal, photographic and industrial uses.

Mallinckrodt Silver Nitrate is so pure and stable that it does not discolor on exposure to light, and hence is packaged in clear glass bottles.

ALSO ACETATE - BROMIDE - CARBONATE - CHLORIDE
CYANIDE - IODIDE - LACTATE - NITRITE - NUCLEINATE - OXIDE
PROTEINATE - SULFATE - AND SILVER METAL A. R. PRECIP.

Send for Mallinckrodt Monthly Chemical Price List with over 1500 Fine Chemicals (Address St. Louis or New York)

Mallinckrodt
CHEMICAL WORKS

2nd and Mallinckrodt Sts., ST. LOUIS, MO.
72 Gold St., NEW YORK, N. Y.

CHICAGO MONTREAL
PHILADELPHIA TORONTO

Current Market Quotations

All matter under this heading fully protected by copyright

When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Prices changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, 55 & 110 gls., dms., dlvd..lb. .14 - —
5 & 10 gal. dms., dlvd.....lb. .16 - —
Acetamide, CP, kgs., 1,000 lb. lots, dlvd..lb. .44 - —
tech., kgs, 1,000 lb. lots, dlvd. lb. .39 - —
Acetanilide, tech., 95%, bbls..lb. .29 Nom.
USP, cryst., bbls., 2,000 lb. lots lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25 lb. lots.....lb. .38 - —
kgs, 2,000 lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000 lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25 lb. lots.....lb. .36 - —
kgs., 2,000 lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .65 - .70
Acetone, CP, dms., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06¼- —
tanks, dlvd.....lb. .04¾- —
Methyl (see M)
Acetonphenone, bots.....lb. 1.30 - 1.45
cns., 25 lbs.....lb. 1.15 - 1.25
dms., 100 lbs.....lb. 1.05 - —
Acetophenetidin, bbls., kegs, 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l.....lb. .08¾- —
l.c.l. .....lb. .09 - .12
Acetic, coml. or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys. .....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys. .....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys. .....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys. .....100 lbs. 6.39 - 6.64
glacial, nat., CP., cbys..100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
cbys. .....100 lbs. 8.12 - 8.37
USP, bbls.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
synth., 99.5%, al. dms., 100 lbs. 8.43 - 8.68
cbys. .....100 lbs. 8.68 - 9.18
USP, al. dms.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys. .....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys. .....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys. .....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.08 - 7.33
cbys. .....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States, except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l.,
Acetic, anhydride, dms., c.l., frt. alld..lb. .10¼- .11⅛
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, USP, bbls., 200 lbs..lb. .60 - —
boxes, 25 lbs.....lb. .61 - —
kgs., 100 lbs.....lb. .60 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs...lb. .22 - .25
Ascorbic, bots., dms.....oz. 3.00 - 3.25
Battery, cbys, c.l., E. works 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-24, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd. ton.106.00 - —
c.l., dlvd.....ton.111.00 - —
l.c.l., ex whse.....ton.118.00 -123.00
sks., contracts, 80 tons, dlvd..ton.96.00 - —
c.l., dlvd.....ton.101.00 - —
l.c.l., ex whse.....ton.108.00 -113.00
powd., bbls., contracts, 80 tons, dlvd..ton.111.00 - —
c.l., dlvd.....ton.116.00 - —
l.c.l., ex whse.....ton.123.00 -138.00
sks., contracts, 80 tons, dlvd..ton.101.00 - —
c.l., dlvd.....ton.106.00 - —
l.c.l., ex whse.....ton.113.00 -128.00
U.S.P., $25 per ton higher.
Broenner's, bbls.....lb. 1.11 - —
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Camphoric, cns.....lb. 5.50 - 6.70
Capric, dms.....lb. .12 - .12½
Caproic, cns.....lb. 2.20 - —
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .17¼- .18
Chinawood oil, dms.....lb. .15 - .15½
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., delvd. N. Y..lb. .15¼- .17⅛
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .22 - —
10,000 lb., lots, one shipt., lb. .22½- —
smaller lots .....lb. .23 - —
kegs .....lb. .23½- —

Acid, citric, anhyd., gran, dms., 10,000 lbs. 1 shipt..lb. .25 - —
smaller lots .....lb. .25½- —
Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b., N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.
Cleve's, bbls. .....lb. .57 - —
Coconut oil, dist., dms.....lb. .09 - .09½
Corn, dist., dms.....lb. .06¾- .07
Cottonseed oil, dist., dms....lb. .06¼- .06¾
tanks .....lb. .0575- —
Cresylic, high-boil, dom., c.l., works, frt. equaled..gal. .73 - —
l.c.l., same basis.....gal. .74 - —
low-boil, dms., c.l., works frt. equaled..gal. .78 - —
l.c.l., same basis.....lb. .80 - —
imported, pale, dms.....gal. .75 - .86½
dark, dms. .....gal. .70 - —
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital))
Formic, dom., seaboard, 90% cbys., f.o.b. stock points, c.l...lb. .10½- —
l.c.l., 25 and over..lb. .11 - —
1-24 .....lb. .11½- —
inland territory cbys., c.l.lb. .1185- —
l.c.l., 25 and over.....lb. .1235- —
1-24 .....lb. .1285- —
southern territory, cbys., c.l., lb. .1170- .1240
l.c.l., 25 and over.....lb. .1220- .1280
1-24 .....lb. .1270- .1320
Fumaric, bbls. .....lb. .75 - —
Gallic, tech., bbls.....lb. .70 - .75
N. F., VI, bbls., 200 lbs., 5 or more..lb. .77 - —
single bbls. .....lb. .80 - —
fib. dms., 25 lbs.....lb. .81 - —
Gamma, bbls. .....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
Hempseed oil, dms.....lb. .1180- .1225
Hydriodic, 47%, bots.....lb. 2.30 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP, pure, 34% conct, cbys.....lb. .20 - .21
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works...lb. .42 - .44
Hydrofluoric, 30%, bbls.....lb. .80 - 1.00
lead, cbys. .....lb. .07 - .0750
48%, lead cbys.....lb. .09 - .0950
52%, lead cbys.....lb. .1150- .12
60%, lead cbys.....lb. .1250- .13
Hydrofluosilicic, 30-35%, 420 lb. bbls..lb. .15 - .1550
Hypophosphorus, USP, 30%, djns..lb. .09 - .09½
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. .75 - —
l.c.l., bbls., works..100 lbs. 2.50 - —
cbys., works....100 lbs. 2.75 - —
44%, bbls., c.l., works, 100 lbs. 3.75 - —
l.c.l., bbls., works..100 lbs. 5.50 - —
cbys., works....100 lbs. 5.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 6.75 - —
l.c.l., bbls., works..100 lbs. 3.50 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 4.75 - —
l.c.l., bbls., works..100 lbs. 6.50 - —
cbys., works....100 lbs. 6.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11⅛
plastic grade .....lb. .12¼- .13⅛
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12⅜- .13⅝
1 to 4, edible, bbls., cbys., lb. .11½- .12⅛
plastic grade.....lb. .13¼- .14⅛
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22⅛
USP, XI, 85%, cbys.....lb. .43 - .45
USP VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., dms.....lb. .18 - .20
Laurent's, bbls.....lb. .45 - —
Levulinic, 5lb. bots., works..lb. 2.00 - —
Linseed, oil, dark or light, dms..lb. .1030- .1080
extra white, dist., dms....lb. .12½- .13
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., l.c.l.....lb. .33 - —
Malic powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs...lb. 1.90 - —
smaller lots .....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .15 - .18
Monosulphonic, bbls. .....lb. 1.50 - 1.60
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works..100 lbs. 2.10 - —
1 to 9, works..100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works..100 lbs. 2.60 - —
1 to 9, works..100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P., USP, dealers, cbys....lb. .06½- —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .15¾- .16¾
Naphthenic, acidity, 120-200 dms., c.l..lb. .07 - —
210-230, dms., c.l.....lb. .09 - —
240-280, dms., c.l.....lb. .10 - —
Sludge, dms., c.l.....lb. .05 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works..100 lbs. 5.95 - —

Acid, nitric, 38°, cbys., c.l., E. works..100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.85 - —
1 to 9, works..100 lbs. 6.45 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works..100 lbs. 6.35 - —
1 to 9, works..100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.85 - —
1 to 9, works..100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11¼- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs., and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, d. dist., dms.....lb. .0650- .0740
s. dist., dms.....lb. .0590- .0680
Perilla, dist., dms.....lb. .1375- .1425
Phenylacetic, bots. .....lb. 1.75 - 3.00
Phosphoric, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .09 - —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50% s. g., 1347, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns..lb. .07 - .07¼
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic ref., cbys., works..lb. .25 Nom.
dms., works.....lb. .22 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works.....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. 1.05 - —
cns. .....lb. 1.10 - —
USP, cryst, cns.....lb. 1.45 - 1.63
resubl., cns.....lb. 2.05 - 2.15
Pyroligneous, bbls., dlvd. E. gal. .25 - —
Ricinoleic, dms .....lb. .35 - —
tech., bbls.....lb. .13 - —
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .40 - .45
Sebacic, C.P., bbls., works..lb. .58 - —
tech., bbls., works.....lb. .37 - .41
Soybean oil, dist., dms.....lb. .09 - .09¼
Stearic, distil., double pressed, bgs., dlvd..lb. .10½- .11½
single pressed, bgs., dlvd..lb. .10 - .11
triple pressed, bgs., dlvd..lb. .13¼- .14¼
saponif., double pressed, bgs., dlvd..lb. .10¾- .11⅜
triple pressed, bgs., dlvd.lb. .13½- .14½
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots, works.lb. 1.60 - 1.68
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
C.P., USP., dealers, cbys., lb. .06¼- —
9-lb. bots. .....lb. .16¼- —
consumers, cbys. .....lb. .08 - —
9-lb. bots. .....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms...lb. .40 - .47
USP, fluffy, bbls., 1,000 lb.- 100-lb. lots .....lb. .90 - —
25-lb. lots .....lb. .93 - —
powd., bbls., 1,000 lbs....lb. .78 - —
smaller lots .....lb. .80 - —
Tartaric USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment..lb. .27¼- —
smaller quantities.....lb. .27¾- —
kgs. .....lb. .28¼- —
Tobias, bbls. .....lb. .65 - —
Trichloroacetic, bots. .....lb. 2.00 - 2.50
Tungstic, CP, kgs, works....lb. 2.85 - 3.10
tech., kgs., works.....lb. 1.90 - 2.00
Aconite, leaves, bls.....lb. .25 - .26
Root, bls.....lb. .28 - .30
Aconitine, amorph., bots.....oz.17.00 -18.00
vis. .....gr. .06 - .09
cryst., bots.....oz.30.00 - —
vis. .....gr. .09 - .11
Adeps lanae, anhyd., dms....lb. .17¼- .19
hyd., dms.....lb. .16 - .18
Agar 1, bls.....lb. .85 - .90
2, bls. .....lb. .80 - .85
3, bls. .....lb. .63 - .65
Agaric, white, bls.....lb. 3.00 - 3.20
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld....lb. .13 - —
pow'd, grade A, same basis, ton lots..lb. .15 - —
lots..lb. .88 - —
smaller lots, same basis, lb. .18 - —
light, dom., flake, dms., f.o.b., Chicago., frt. alld. lb. .52 - .60
import, bgs. .....lb. .50 - —
Egg, ed., dom., cryst., bbls., lb. .80 - .82
dom., pwd., dms., bbls., lb. .85 - .87
import, cs.....lb. .80 - —
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .116 - —
l.c.l., frt. alld.....lb. .126 - —
tanks, frt. alld.....lb. .106 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09¼- .10
l.c.l., same terms.....lb. .10 - .10¼
tanks, same terms.....lb. .08¼- .09
Benzyl, cans.....lb. .68 - —
drums .....lb. .63 - —

Acacia—Alum

Alcohol, butyl, normal, dms., c.l., frt. alld..lb. .09¼- —
l.c.l., frt. alld.....lb. .10 - —
tanks, frt. alld.....lb. .08½- —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .07 - —
l.c.l., same terms.....lb. .07½- —
tanks, same terms.....lb. .06 - —
tertiary, denating, dms., frt. alld..lb. .14 - —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l., dms.....lb. .83 - —
Import, 85%, 100 lb. dms...lb. .85 - —
5 to 10 lbs.....lb. .75 - —
coml., dms., 350 lbs.....lb. .45 - —
Cinnamic, bots. .....lb. 2.00 - 2.90
Denatured, CD14, dms., c.l., works, E..gal. .33 - —
l.c.l., works, dms., to jobbers..gal. .36 - —
works, dms., to dealers and industrial accounts, gal. .38 - —
tanks, E., works.....gal. .25 - —
Prices for territories other than E. of Rockies, 3c. per gal. higher. Tankcar sales require written authorization by Alcohol Tax Unit.
SDI, 190 pf., bbls., c.l., E. works..gal. .30 - —
19 bbls., E. works...gal. .32 - —
1 to 18 bbls., E. works, gal. .35 - —
tanks, E. works.....gal. .24 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, pure, contract, dms., c.l., frt., alld..lb. .11½- —
l.c.l., frt. alld.....lb. .12 - —
tanks, dlvd. .....lb. .10½- —
tech., contract, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11 - —
tanks, dlvd. .....lb. .09½- —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.56½- —
19 bbls. .....gal. 4.58½- —
1 to 18 bbls.....gal. 4.61½- —
dms., c.l. .....gal. 4.55½- —
19 dms. .....gal. 4.57½- —
1 to 18 dms. .....gal. 4.60½- —
tanks .....gal. 4.49½- —
absolute, dms., c.l.....gal. 4.88 - —
19 dms. .....gal. 4.90 - —
1 to 18 dms.....gal. 4.93 - —
Grain alcohol 25c. per gal. higher.
Furfuryl, tech., cns., works..lb. .45 - —
dms., c.l., 33,000 lbs., works, lb. .30 - —
l.c.l., 500 lbs. and more, works..lb. .35 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., c.l., works, frt. alld. E. of Rockies..lb. .08½- —
l.c.l., same terms.....lb. .09 - —
tanks, same terms.....lb. .07½- —
Isopropyl, refd., 91%, dms., c.l., f.o.b. dest..gal. .33½- —
l.c.l., same basis.....gal. .38½- —
tanks, same basis.....gal. .28½- —
99%, dms., c.l., same terms, gal. .36 - —
l.c.l., same terms....gal. .41 - —
tanks, same terms.....gal. .31 - —
Methyl (see Methanol)
Phenylethyl, bots., cns.....lb. 2.70 - 4.25
Propyl (see Isopropyl)
Propyl, normal, dms., works, gal. .70 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., dlvd..lb. .20 - —
5 and 10 gal. dms., dlvd...lb. .22 - —
Aletris root, bgs.....lb. .38 - .39
Alizarin (see Red, alizarin).
Alkanet root, bge.....lb. .10 - .11
Aloe, Barbados, true, cs.....lb. .85 - .90
Cape, cs.....lb. .20 - .22
Curacao, cs.....lb. .35 - .37
gourds, bbls.....lb. .50 - .55
Socotrine, kgs.....lb. .45 - .50
Aloin, 140-lb. bbls.....lb. 2.50 - —
100-lb. kgs.....lb. 2.52 - —
25-lb. fib. dms.....lb. 2.59 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, cube cut, bbls....lb. .30 - .32
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.15 - —
dlvd. N.Y. Phila...100 lbs. 3.15 - —
lump, bbls., works....100 lbs. 3.40 - —
dlvd., N.Y., Phila..100 lbs. 3.40 - —
powd., bbls., works....100 lbs. 3.55 - —
dlvd. N. Y., Phila..100 lbs. 3.55 - —

NO LEAKS HERE
or here
SEALED
AGAINST
SUBSTITUTION
Tri-Sure
$100.00
will be paid by the AMERICAN FLANGE & MANUFACTURING CO., INC., to anyone in the U. S. A. causing arrest and conviction of persons unlawfully removing genuine Tri-Sure closures and seals, with intention of committing a felony. Suitable reward will be paid in foreign countries.
GUARANTY

Just as a deep-sea diver makes sure of his safety by wearing a leak-proof suit, you can make sure of the safety of every drop you ship in steel drums, by using "Tri-Sure" Closures.

"Tri-Sure" Closures have special composition gaskets which prevent leakage. And "Tri-Sure" Closures *cannot* be tampered with, because they have a seal which cannot be removed without destroying it.

When you ship in "Tri-Sure" equipped drums, you *know* you are shipping in leak-proof, tamper-proof, pilferage-proof steel drums. You know that you are giving your product and your reputation the *complete* protection they should have.

AMERICAN FLANGE & MANUFACTURING CO., INC.
30 Rockefeller Plaza, New York, N. Y.

Tri-Sure

TRIPLE-SAFETY CLOSURES

Alum, ammonia, powd., bbls., works..100 lbs. 3.55 - —
dlvd., N. Y., Phila...100 lbs. 3.55 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N.Y. prices apply to truck or ex warehouse.

Potash, gran., bbls., works.. 100 lbs. 3.40- 3.65
dlvd. N.Y., Phila..100 lbs. 3.40 - —
lump, bbls., works....100 lbs. 3.65 - 3.90
dlvd. N.Y. Phila..100 lbs. 3.65 - —
powd., bbls., works....100 lbs. 3.80 - 4.05
dlvd. N.Y., Phila...100 lbs. 3.80 - —

Potash alum prices on same basis as those for ammonia alum.

Potash-chrome, bbls.....lb. .06¼- .06½
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, 20% normal solut., bbls., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .09 - —
32%, basic solut., bbls., c.l., dlvd..lb. .10 - —
l.c.l., dlvd.....lb. .12 - —
basic powd., bbls., dlvd.....lb. .40 - —
smaller containers, dlvd. lb. .50 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .06 - —
12,000 to 40,000 lbs, works..lb. .07 - —
1,100 to 11,000 lbs., works..lb. .08 - —
140 to 875 lbs., works.lb. .09 - —
100 lbs., or less, works.lb. .10 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., dms., works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .03¼- —
Formate, 30% solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls.....lb. .03½- —
bgs., c.l.....lb. .0260- —
light, bbls., dlvd.....lb. .12 - —
Oleate, dms., contr.....lb. .16¾- —
open order.....lb. .17½- .18½
Palmitate, precip., bbls.....lb. .23 - —
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., ton.....lb. .20 - —
less than ton.....lb. .21 - —
Sulphate, com'l, bgs., c.l. works, frt. equaled.100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - —
l.c.l., works, frt. equald. 100 lbs. 1.60 - —
iron-free, bgs., c.l., works... 100 lbs. 1.30 - —
l.c.l., works....100 lbs. 1.55 - —
bbls., c.l., works....100 lbs. 1.50 - —
l.c.l., works.....100 lbs. 1.75 - —
Aluminum, 98-99%, c. l.....lb. .20 - —
l.c.l. .....lb. .21 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .65 - —
ink, dms., 1,500 lbs.....lb. .75 - —
standard, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .92 - —
standard, dms., 1,500 lbs.lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
lining, dms., 1,500 lbs.....lb. .57 - —
standard, dms., 1500 lbs..lb. .42 - —
rubber compound, dms., 1,500 lbs..lb. .40 - —
unpolished, dms., 1,500 lbs.lb. .37 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
standard, dms., 1,500 lbs.lb. .42 - —

Aluminum paste and powder prices for lots smaller than 1,500 lbs. are 10c. per lb. higher for less than 200 lbs.; 5c. per lb. higher for 200-400 lbs.; 2c. per lb. higher for 400,-1,000 lbs.; and 1c. per lb. higher for 1,000-1,500 lbs.; for partial shipments on contracts, prices are 3c. per lb. higher on lots of less than 200 lbs.; 1c. per lb. higher for 200-400 lbs.; and ½c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. for 50 lbs.; 3c. per lb. for 10 lbs.; 5c. per lb. for 2 lbs.; 8c. per lb. for 1 lb.; and 12c. per lb. for ½ lbs.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.

Ambergris, gray, tins.....oz. 17.00 -36.00
Aminopyrine, fib., dms., 100 lbs. lb. 4.00 - —
bots., 5 lbs. .....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
dms., dlvd.....lb. .23 - .26
Aldehyde, dms.....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works..lb. .04¼- —
refrigeration, tanks, works..lb. .05 - —
pure, cyls., dlvd., met. N.Y., lb. .16 - .23

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .03¼- —
tanks (on NH_3 content), dlvd., E..lb. .05½- —
Benzoate, dms., 4,000 lbs. or more..lb. .41 - .42
1,000 lbs. to 3,900 lbs.....lb. .42 - .43
900 lbs. or less.....lb. .45 - .46
kgs., 4,000 lbs. or more....lb. .40 - —
1,000 lbs., to 3,900 lbs...lb. .41 - —
900 lbs. or less.....lb. .44 - —
Bicarbonate, bbls., c.l., works, 100 lbs. 5.15 - —
l.c.l., dlvd. N. Y....100 lbs. 5.71 - —
Bichromate, bbls.....lb. .32 - —
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kgs. .....lb. .36 - —
Carbonate, tech., dom., bbls. lb. .08 - .12½
imported, csks. .....lb. .08 - .12½
USP, lump, dms.....lb. .08 - .17
powd., bbls., dms.....lb. .09 - .25
Chloride, tech. (see Ammoniac, sal).
USP, gran., 223 lb. bbls....lb. .12 - .13
100 lb. kgs. .....lb. .15 - —
Citrate, dms.....lb. .80 - —
cns. .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide, (see Ammonia, aqua).
Hypophosphite, fib., dms.....lb. 1.10 - 1.17
jars .....lb. 1.20 -

Ammonia, Iodide, 5-lb. bots...lb. 3.52 - —
jars .....lb. 3.45 - —
Laurate, bbls. .....lb. .48 - —
Linoleate, 50%, anhyd., bbls.lb. .12 - .15
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Naphthenate, bbls. .....lb. .17 - —
Nitrate, tech., bags., c.l., works...100 lbs. 3.60 - —
l.c.l., works.....100 lbs. 3.85 - —
bbls., c.l., works.....100 lbs. 3.80 - —
l.c.l., works.....100 lbs. 4.05 - —
Oleate, dms.....lb. .14 - .15
Oxalate, neutral, cryst., powd., bbls., kgs..lb. .19 - .20
Perchlorate, kegs.....lb. .16 - —
Persulphate, kgs.....lb. .21 - .22
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fert. grade), 11% N 18% phos. bulk, f.o.b. E. works.. unit-ton. 1.20 & .70
pure, bbls. .....lb. .40 - .45
tech., bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
Ricinoleate, bbls. .....lb. .15 - —
Salicylate, U.S.P., kgs.....lb. 1.15 - 1.20
Silicofluoride, imp., 350-lb. bbls., f.o.b. N. Y..lb. .09 - —
5 bbls., same basis.....lb. .08½- —
Stearate, anhydrous.....lb. .22 - —
paste .....lb. .07 - —
Sulphate, dom., bulk, c.l., f.o.b. August shipment..ton. 26.75 - —
September shipt....ton. 27.00 - —
October shipt.....ton. 27.25 - —
November shipt....ton. 27.50 - —
December shipt.....ton. 27.75 - —
Jan.-June, 1939 shipt., ton. 28.00 - —

Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.

Sulphide, liquid, 35-40%, basis 100%, dms., works..lb. .12 - .18
tanks, delvd. .....lb. .11 - —
Sulphocyanide, com'l, fib., dms., 2,000 lbs., works.....lb. .14 - —
smaller lots, works.....lb. .16 - —
pure, 99-100%, kgs. .....lb. .55 - —
Ammoniac, gum (see Gum, ammoniac).
Sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
Sal, white, gran., dom., bbls., contracts, N. Y., l.c.l. 100 lbs. 4.90 - 5.05
import, csks. .....100 lbs. 4.90 - 5.05
Amyl acetate, ex fusel oil, dms., c.l., works..lb 11 - —
l.c.l., frt., alld.....lb. .11½- —
tanks, works.....lb. .10 - —
ex pentane, dms., frt. alld.lb. .11 - —
l.c.l., frt., alld.....lb. .12 - —
tanks, frt., alld.....lb. .10 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal. returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .077 - —
tanks, works.....lb. .06 - —
Cinnamic aldehyde, cns.....lb. 2.00 - 2.25
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works..lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, bots., 5 lbs.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots. .....lb. 1.00 - 1.05
Angelica root, dom., bls.....lb. .16 - .22
import, natural, bls.....lb. .20 - .25
twisted, bls.....lb. .30 - .40
Angostura bark, bls.....lb. .30 - .31
Anilin oil, dms., c.l.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Spanish, bgs.....lb. .14 - .15
Star, bgs. .....lb. .12¾- .13¼
Anisic aldehyde, bots.....lb. 8.00 - 8.10
Annatto paste, bxs.....lb. .34 - .39
seed, bgs .....lb. .07½- .08
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride)
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .10¾- —
Needle, powd., ton lots, bulk, lb. .12½- —
bbls. .....lb. .13½- —
Oxide, bbls., c.l.....lb. .11¼- —
l.c.l. .....lb. .12¼- —
Salts, 65%, kgs.....lb. .26 - .27
White, pigment, bgs., c.l., Texas works, frt. alld to ½c..lb. .11¼- .14¼
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz. 23.20 -23.70
Archil extract, con., bbls.....lb. .21 - .27
double, bbls.....lb. .18 - .20
triple, bbls.....lb. .18 - .20
Areca nuts, powd., bbls.....lb. .11 - .13
Arecoline hydrobromide, bots..oz. 4.35 - 4.50
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. 32.00 -34.00
Arnica flowers, bls.....lb. .28 - .30
Root, bls.....lb. .38 - .40
Arrowroot, St. Vincent, powd., bgs..lb. .08 - .08¾
bbls. .....lb. .08½- .09
Arsenic, metal, lump, cs.....lb. .40 - .41
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.35 - —
jars .....lb. 5.20 - —
Red, import, cs.....lb. .15¾- .16½
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .08 - —
l.c.l. .....lb. .08¾- —
Asafetida, cs. .....lb. .25 - .26
powd., bbls., bxs.....lb. .38 - .42
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton. 42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton. 40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton. 30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton. 25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton. 23.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton. 19.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton. 16.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton. 14.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.....lb. .02½- —
smaller lots, f.o.b. N. Y.lb. .03½- —
AA, bgs., 20 tons, f.o.b. N.Y., lb. .08½- —
smaller lots, f.o.b. N. Y..lb. .10½- —

Asphaltum, California, dms., c.l., f.o.b. N.Y..ton. 29.00 - —
l.c.l., f.o.b. N. Y.....ton. 30.00 - —
Cuban A, bgs., c.l., f.o.b. N. Y., ton. 60.00 - —
l.c.l., f.o.b. N. Y.....ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton. 35.00 - —
l.c.l., f.o.b. N. Y.....ton. 55.00 - —
Egyptian, bgs., c.l., f.o.b. N.Y.lb. .12 - —
l.c.l., f.o.b. N.Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton. 32.90 - —
seconds, bgs., c.l., Western shipt. points..ton. 25.50 - —
selects, bgs., c.l., Western shipt. points..ton. 30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton. 51.00 - —
Jet., bgs., c.l., Western shipping points..ton. 30.50 - —
Manjak (see Asphaltum, Barbados)
Mexican, Texas, dms., c.l., refinery..ton. 19.00 - —
l.c.l., refinery.....ton. 21.00 - —
tanks, refinery.....ton. 16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal, .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif, refinery...ton. 12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans refinery....gal. .06 - —
Atropine, bots. .....oz. 5.25 - 5.80
Sulphate, bots. .....oz. 2.85 - 2.90
cns. .....oz. 2.80 - —

B

Balm of Gilead buds, bgs.....lb. .33 - .35
Barberry bark, bgs.....lb. .20 - .22
Tree bark, bls.....lb. .09 - .10
Barbital, cs.....lb. 3.25 - 3.30
Barium carbonate, natural, 90%-96%, grd., bgs., c.l., works, ton. 41.00 -43.00
96% thru, 200, mesh bgs., c.l., works..ton. 43.00 -45.00
precip., bgs., c.l., works..ton. 52.50 - —
bbls., works.....ton. 57.50 - —
l.c.l., bgs., works.....ton. 57.50 - —
bbls., works.....ton. 62.50 - —
sulphur-free, bgs., bbls., c.l., works..ton. 57.50 -62.50
Chlorate, kgs.....lb. .16½- .17½
Chloride, C.P., cryst., bbls..lb. .19 - —
dms. .....lb. .20 - —
tech., doms., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line....ton. 77.00 - —
bbls., same basis..ton. 79.00 - —
l.c.l., bgs., same basis, ton. 94.00 - —
bbls., same basis..ton. 96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz..ton. 87.00- —
bbls., same basis..ton. 89.00 - —
l.c.l., bgs., same basis, ton. 100.00 - —
bbls., same basis..ton. 102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton. 83.00 - —
bbls., same basis..ton. 85.00 - —
bbls., l.c.l., same basis, ton. 96.00 - —
bbls., same basis..ton. 98.00 - —
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls.....lb. .11½- .12
Fluosilicate, bbls.....lb. .11¼- .12
Hydrate (see Hydroxide).
Hydroxide, bbls.....lb. .04¾- .05¼
Iodide, bots. .....lb. 4.45 - 4.50
Monoxide (see Oxide).
Nitrate, cks. .....lb. .06¾- .07¼
Oxide, dms.....lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton. 23.65 - —
l.c.l., ex whse., Boston, ton. 36.00 - —
Chicago .....ton. 31.15 - —
Cleveland .....ton. 33.50 - —
New York.....ton. 32.00 - —
paper bgs., c.l., St. Louis, ton. 22.85 - —
l.c.l., ex car, Baltimore, ton. 30.70 - —
Boston .....ton. 31.70 - —
Philadelphia .....ton. 30.50 - —
ex whse., Baltimore. ton. 32.10 - —
Boston .....ton. 35.20 - —
Chicago .....ton. 30.35 - —
Cleveland .....ton. 33.00 - —
Detroit .....ton. 33.00 - —
Kansas City.....ton. 30.93 - —
Los Angeles.....ton. 42.00 - —
New York.....ton. 31.50 - —
Philadelphia .....ton. 31.90 - —
San Francisco.....ton. 42.00 - —
Toronto .....ton. 39.30 - —
southern off color, bulk, mines. ton. 12.00 - —
95,75%, bulk, mines.....ton. 16.00 - —
ore, bulk, mines, long ton. 7.00 - —
German, gard., bbls., c.l., dock, t.a...ton. 25.00 -26.00
l.c.l., ex whse.....ton. 30.00 - —
ungrd., bulk, c.l., ex dock, ton. 13.60 -14.00
Italian, grd., bbls., c.l., ex dock, t.a...ton. 29.50 Nom.
l.c.l., ex whse.....ton. 32.50 - —
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls.....gal 7¼ Nom
Bayberry bark, bgs.....lb. .15 - .16
Belladonna leaves, bls.....lb. .13 - .17
Root, bls. .....lb. .12 - .13
Bentonite, 200 mesh, bgs., Wyo. works..ton. 11.00 - —
325 mesh, bgs., Wyo. works, ton. 16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .60 - .70
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha..gal. .16 - —
W. coast, f.o.b., Minnequa, Colo..gal. .16 - —

Alum—Black, Lamp

Benzoyl chloride, dms.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cns..lb. .94 - —
dms. .....lb. .89 - —
Chloride, 95-97%, refd., dms., lb. .30 - .40
tech., dms. .....lb. .25 - .26
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.20 @ 3.50
Berberine bisulphate, cns.....lb. 16.75 - —
Hydrochloride, cns.....lb. 16.75 - —
Sulphate, cns.....lb. 16.75 - —
Berberis root, bls.....lb. .15 - .16
Betanaphthol, subim., bbls.....lb. .55 - —
kgs. .....lb. .60 - —
tech., bbls., c.l., works.....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib, dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .20 - .23
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.85 - —
Hydroxide, 5-lb. bots.....lb. 3.27 - —
cns. .....lb. 3.15 - —
Metal, ton lots.....lb. 1.05 - —
Nitrate, cryst., 5-lb. bots...lb. 1.34 - —
cns. .....lb. 1.20 - —
Oxychloride, 5-lb. bots.....lb. 3.04 - —
cns., kgs.....lb. 2.95 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib, dms.....lb. 1.13 - 1.16
Subcarbonate, bots., cns.....lb. 1.42 - 1.68
fib. dms.....lb. 1.33 - 1.36
X-ray, 5-lb. bots.....lb. 2.42 - —
fib. dms.....lb. 2.36 - —
Subgallate, bots., cns.....lb. 1.42 - 1.68
fib. dms. .....lb. 1.33 - 1.36
Subiodide, cns.....lb. 3.91 - —
fib. dms.....lb. 3.88 - —
Subnitrate, powd., bots., cns. lb. 1.27 - 1.53
fib. dms.....lb. 1.18 - 1.21
Subsalicylate, 62-66%, bxs..lb. 2.44 - —
bbls., fib. dms.....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots....lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns. .....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .16 - —
l.c.l., frt. alld. E.....lb. .16¼- —
1. bbls., bgs., c.l., frt. alld. E..lb. .12 - —
l.c.l., frt. alld. E.....lb. .12¼- —
2. bbls., bgs., c.l., frt. alld., E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
3. bbls., bgs., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
4. bbls., c.l., frt. alld. E..lb. .08¾- —
l.c.l., frt. alld. E.....lb. .09 - —
5. bbls., bgs., c.l., frt. alld. E..lb. .07¼- —
l.c.l., frt. alld. E.....lb. .08 - —
6. bbls., c.l., frt. alld. E..lb. .05½- —
l.c.l., frt. alld. E.....lb. .06 - —
7. bbls., bgs., c.l., frt. alld. E..lb. .09 - —
l.c.l., frt. alld. E.....lb. .09¼- —
8. bbls., bgs., c.l., frt. alld. E..lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —

Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.

Carbon, special, 1, bgs., c.l., dlvd..lb. .03¾- .04¾
bgs., ctns., l.c.l., dlvd..lb. .06¾- —
cs., l.c.l., dlvd.....lb. .07½- —
2, bgs., c.l., works.....lb. .08½- —
l.c.l., dlvd.....lb. .10½- —
cs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l., dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4 bgs., c.l., works.....lb. .27½- —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd.....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., dlvd., rail zone A (Gulf ports), for delivery in Nor. Amer. (water freights extra)..lb. .02¾- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .0310- —
50,000 lbs., dlvd., Zone C (Pac. Cst. States).lb. .0319- —
30,000 lbs., dlvd., Zone C, Pac. Cst. States.lb. .0335- —
D (Ill., Ia., Wis.)..lb. .03¼- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)...lb. .0341- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .03¾- —
G (Mexico) f.o.b. border, lb. .03 - —
f.o.b. N. Orleans, lb. .029 - —
l.c.l., f.o.b. whse.....lb. .05¾- —
bgs. or ctns. (sellers option) l.c.l., dlvd..lb. .06¼- —
bulk, tanks, same price as bags in each zone.
cs., l.c.l., dlvd.....lb. .07 - —
export, full, compressed, cs., f.a.s., Gulf ports..lb. .04¾ Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .05¼ Nom.

Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
2, bbls., l.c.l., works.....lb. .07 - —
pure, bbls., works.....lb. .08¾- —
Ivory, genuine, bbls.....lb. .30 - .35
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —

Black, Lamp—Cobalt, Lin.

Black, lamp, import, 1, bbls., c.l., f.o.b. N. Y..lb .08 - —
l.c.l., f.o.b., N. Y.....lb .09 - —
2, bbls., c.l., f.o.b. N. Y..lb .11 - —
l.c.l., f.o.b. N. Y.....lb .12 - —
3, bbls, c.l., f.o.b. N. Y..lb .13 - —
l.c.l., f.o.b., N. Y.....lb .14 - —
4, bbls., c.l., f.o.b. N. Y..lb .14 - —
5, bbls., c.l., f.o.b. N. Y..lb .19 - —
l.c.l., f.o.b. N. Y.....lb .20 - —
6, bbls., c.l., f.o.b. N.Y...lb .24 - —
l.c.l., f.o.b. N. Y.....lb .25 - —
Vine, A, bbls., works or N. Y., lb .04¼- —
B, bbls., works or N. Y....lb .05½- —
Black dyes are listed under dyes.
Black haw, root bark, bls....lb .25 - .26
Tree bark bls.....lb .15 - .16
Black Indian hemp root, bls...lb .16 - .18
Blanc fixe, dry, by-product, bgs., c.l..ton.55.00 - —
l.c.l. .....ton.60.00 - —
high grade precip., bgs., c.l., works, frt. equal.ton.70.00 - —
l.c.l., same basis....ton.75.00 - —
pulp, 66⅔%, bulk, c.l., works, ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.80 - —
high-grade, grd., 16-17 ammon., bulk, f.o.b. Chi., unit-ton. 2.75 - —
import, bgs., c.i.f. ports, shipt., unit-ton. 3.10 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .14 - .15
Blue, alkali, toner, bbls., divd. N. of Tenn. and N. C. E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ¼c. higher divd Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ¼c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg. lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order .....lb. .37 - —
Potash, dom., bbls., same basis alkali toner, contracts..lb. .45 - —
open order .....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts.lb. .36 - —
open order .....lb. .37 - —
Soluble, bbls., same basis alkali toner, contracts, lb. .36 - —
open order .....lb. .37 - —
Tungstated, peacock, kegs...lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry, jobbing, bbls., works, frt. equaled..lb. .11 - —
regular, 1, bbls., works, frt. equaled..lb. .16 - —
2, bbls., same basis....lb. .18 - —
3, bbls., same basis....lb. .19 - —
4, bbls., same basis....lb. .20 - —
5, bbls., same basis....lb. .23 - —
6, cobalt, A, bbls., same basis..lb. .27 - —
B, bbls., same basis.lb. .24 - —
C, bbls., same basis.lb. .23 - —
D, bbls., same basis.lb. .22 - —
7, A, bbls., same basis.lb. .23 - —
B, bbls., same basis..lb. .22 - —
special, 1, bbls., same basis, lb. .19 - —
2, bbls., same basis....lb. .20 - —
3, bbls., same basis....lb. .22 - —
4, bbls., same basis....lb. .23 - —
5, bbls., same basis....lb. .25 - —
6, bbls., same basis....lb. .27 - —
pulp, 1, bbls., same basis..lb. .27 - —
2, bbls, same basis.....lb. .25 - —
3, bbls., same basis.....lb. .23 - —
4, bbls., same basis.....lb. .20 - —
Ultramarine, blue, divd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .15 - .16
Blue mass, USP., cns., kgs..lb. 1.00 - 1.02
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 4.25 - —
16-50 bbls., same basis, 100 lbs. 4.40 - —
6-15 bbls., same basis, 100 lbs. 4.50 - —
1-5 bbls., same basis, 100 lbs. 4.75 - —
Monohydrated, dms., c.l., dealer, f.o.b. works, 100 lbs. 8.65 - 8.90
l.c.l. dealers....100 lbs. 9.65 - 9.90
Bluestone (see Blue vitriol).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.27.00 -29.00
c.i.f. Atlantic ports.....ton.27.50 - —
import, bgs., c.i.f., ports.ton.27.50 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago..ton.23.00 -24.00
import, 100-lb. bgs., c.i.f. ports, shipt..ton.23.00 - —
phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1½% ammon. 60% phos., bgs., f.o.b. Chicago..ton.19.00 -20.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.21.00 - —
Borage flowers, bls. .....lb. .20 - .21
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., divd..tons.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., divd..tons.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min. divd..ton.53.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
sks., contracts, 80 tons min., divd..ton.43.00 - —
l.c.l., ex whse...ton.54.00 -59.00
powd., bbls., contracts, 80 tons min., divd.,.ton.58.00 - —
l.c.l., ex whse.....ton.69.00 -74.00
sks., contracts, 80 tons min. divd..ton.48.00 - —
l.c.l., ex whse.....ton.59.00 -64.00
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs., and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots. .....lb. 1.75 - 2.00
cns. .....lb. 1.50 - —
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots. .....lb. 3.25 - 4.50
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .65
moulding, cns., dms., over 10 lbs..lb. .65 - .90
printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls. .....lb. .11 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .10 - —
Metallic, bbls., works.....lb. .02½- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., works..lb. .03 - —
Italian, Group 1, bbls., f.o.b. N. Y. or Pa. points..lb. .12¼- —
Group 2, bbls., same basis, lb. .11¼- —
3, bbls., same basis...lb. .10¼- —
4, bbls., same basis...lb. .08¾- —
5, bbls., same basis...lb. .08¾- —
6, bbls., same basis...lb. .08¼- —
7, bbls., same basis...lb. .08 - —
8, bbls., same basis...lb. .07¾- —
9, bbls., same basis...lb. .07¼- —
10, bbls., same basis...lb. .06¾- —
11, bbls., same basis...lb. .06¼- —
12, bbls., same basis..lb. .06 - —
13, bbls., same basis..lb. .06 - —
14, bbls., same basis..lb. .05½- —
raw, American, bbls., works, lb. .02¾- —
Italian, Group 1, bbls., f.o.b., N. Y. or works..lb. .12½- —
Group 2, bbls., same basis, lb. .10¾- —
3, bbls., same basis...lb. .11 - —
4, bbls., same basis...lb. .09½- —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08½- —
7, bbls., same basis...lb. .07¾- —
8, bbls., same basis...lb. .07¼- —
9, bbls., same basis...lb. .06¾- —
10, bbls., same basis..lb. .06 - —
11, bbls., same basis..lb. .05 - —
Umber, American, bbls., works, lb. .02¾- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Pa., Easton, Pa., N. Y..lb. .04 - —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .04¼- —
ex dock, Portland, San Francisco, Seattle..lb. .04¾- —
ex whse., Boston....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04¾- —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle, lb. .04¾- —
Minneapolis .....lb. .0485- —
Pittsburgh .....lb. .04¼- —
Vandyke, bbls., l.c.l.....lb. .05¾- —
Walnut crystals, bbls.....lb. .05½- .06
Brucine, 100 oz., cns.....oz. .10 - —
Sulphate, 100 oz., cns.....oz. .07 - —
Bryonia root, bls.....lb. .10 - .11
Buchu leaves, bls.....lb. .39 - .40
Buckthorn bark, true, bls.....lb. .05 - .05½
Berries, bgs. .....lb. .17 - .18
Burdock root, bls. .....lb. .10 - .10½
Burgundy pitch, dom., bbls., c.l., works..lb. .05¼- —
l.c.l., divd. E.....lb. .06¼- —
import, stands.....lb. .15 - .16
Butanes, coml., 16-34°, tanks, group 3..gal. .03¾- —
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., dms., c.l., contract, frt. alld..lb. .09½- —
l.c.l., contract, frt.alld..lb. .10 - —
tanks, contract, frt. alld..lb. .08½- —
secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17¼
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Crotonate, normal, 55 & 110 gal. dms., divd..lb. .33 - —
5 & 10 gal. dms., divd....lb. .36 - —
Ether (see under Ether).
Lactate, dms. .....lb. .22¼- —
Butyl, propionate, dms., divd..lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms. .....lb. .26 - —
Butyric ether, bots.....gal. 6.00 - 6.95
cns., works .....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

C

Cadmium bromide, jars, 100 lbs., works, frt. equal'd..lb. 1.66 - —
50 lbs., works.....lb. 1.66 - —
25 lbs., works.....lb. 1.71 - —
bots., 5 lbs., works.....lb. 1.85 - —
Iodide, 5-lb. bots.....lb. 4.21 - —
25-lb. cns.....lb. 3.97 - —
Lithopone (see Yellow)
Metal, cs.....lb. 1.20 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs. or more..lb. 2.20 - —
2,000 lbs., or more.....lb. 2.25 - —
1,000 lbs., or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
25-lb. dms., 10,000 lbs., or more..lb. 2.23 - —
2,000 lbs., or more.....lb. 2.28 - —
1,000 lbs., or more.....lb. 2.33 - —
100 lbs.....lb. 2.43 - —
25 lbs.....lb. 2.55 - —
10-lb. cns., 10,000 lbs. or more. lb. 2.25 - —
2,000 lbs., or more.....lb. 2.30 - —
1,000 lbs., or more.....lb. 2.35 - —
100 lbs.....lb. 2.45 - —
less than 100 lbs.....lb. 2.75 - —
5-lb. cns., 25 lbs., or more.lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns.....lb. 1.80 - 2.10
Hydrobromine, bots.....lb. 4.91 - 4.99
Calabar beans, bgs.....lb. .25 - .26
Calamus root, bleached, cs....lb. .40 - .41
peeled, bls.....lb. .10 - .12
Calcium acetate, bgs.,divd.100 lbs. 1.65 - —
Arsenate, bgs., c.l., dealers, E. of Rockies..lb. .06¾- .07¼
W. of Rockies, bgs., dms., lb. .06½- .06¾
Southern cotton states, bgs., lb. .06½- .07
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Calcium, bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms.....lb. .05 Nom.
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-88%, bgs., dms., c.l., divd..ton.22.00 -35.00
l.c.l., 1 ton or over, divd. 100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., divd..ton.20.00 -33.00
l.c.l., 1 ton or over, divd. 100 lbs. 1.60 - 2.25
Gluconate, U.S.P., gran., powd., bbls., 125 lbs..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 3.85 - 3.90
Lactate, U.S.P.,bbls., 200 lbs.lb. .23 - —
Levulinate, bots., less than 25 lbs., works..lb. 3.00 - —
Nitrate, bgs., to fert. mfrs., ex vessels, Camden, N. J., or f.o.b. cars, So. Atlantic ports ton.28.00 - —
Palmitate, bbls.....lb. .22 .23
Phosphate, dibasic, precip., 38-42% P_2O_5, bgs., c.i.f. Atlantic ports, shipt..unit-ton. .80 - —
tribasic, c.l., bbls., works..lb. .06½- —
l.c.l., bbls.....lb. .07½- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., 1 ton.....lb. .20 - —
Sulphate (see Gypsum).
Sulphide, 65-70%, CaS, wks., c.l..ton.64.00 - —
l.c.l. .....ton.68.00 - —
75% CaS (minus 100 mesh), c.l., works..ton.52.00 - —
l.c.l., works.....ton.56.00 - —
83-85 CaS, c.l., works...ton.58.00 - —
l.c.l., works.....ton.64.00 - —
luminous, dom., tins, works, 100 lbs. .85 - —
Sulphocarbolate,bbls.,200 lbs.lb. .48 - —
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .35 - .36
Calomel, bbls., fib., dms., kgs., 50 lbs., or more..lb. 1.28 - —
Camphor, natural, powd., cs...lb. .52½- .53
slabs, cs. .....lb. .52½- .53
tablets, tins .....lb. .57 - .57½
synthetic, dom., imp., gran., powd., bbls., 2,000-lb. lots lb. .47 - —
1,000-lb. lots .....lb. .48 - —
500-lb. lots .....lb. .49 - —
100-lb. lots .....lb. .50 - —
Monobromate, bxs., kgs.....lb. 1.75 - 1.80
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs..lb. .0440- .0465
Morocco, bgs. .....lb. .0430- .0460
Turkish, bgs. .....lb. .0430- .0460
Canella alba bark, bls.....lb. .30 - .31
Cantharides, Chinese, cs.....lb. .60 - .70
powd., bxs.....lb. .70 - .80
Russian, cs. .....lb. .90 - .95
powd., bxs. .....lb. 1.15 - 1.20
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs....lb. .06⅝- .07
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
secondary, dms., works...lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works.....lb. .34 - —
tanks, works.....lb. .32 - —
Methylpropyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works.lb. .60 - —
small lots, works.....lb. .75 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
tanks, same basis.....lb. .04¼- —
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, 55-gal. or 110-gal. dms, c.l. (20 tons), frt. alld. E. of Miss. R., N. of Ohio R..lb. .05¼- —
l.c.l., same basis.....lb. .05¾- —
10-gal. dms., c.l. (20 tons), same basis..lb. .07 - .07½
l.c.l., same basis.....lb .08 - .08½
5-gal. dms., c.l. (20 tons), same basis..lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
tanks, same basis.....lb. .05 - —
Fire extinguisher liquid, 1½c. lb. higher.
Cardamom, bleached, cs.....lb. 1.30 - 1.65
decorticated, cs. .....lb. .78 - .80
green, bgs. .....lb. .50 - .52
Carvol, bots. .....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .10 - .11½
Case-hardening mixture, 30% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., divd..lb. .10 - .10½
5 tons, works.....lb. .11½- —
smaller lots, works.....lb. .12½- —
80-100 mesh, bgs., c.l., divd., lb. .10½- .11
5 tons, works.....lb. .12 - —
smaller lots, works.....lb. .13 - —
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .12 - —
80-100 mesh, bgs., c.l. duty paid..lb. .12½- —
French, 30 mesh, bgs., c.l., duty pd..lb. .17 Nom.
Cassia, Batavia, 1, bgs.....lb. .16¼- .16½
3, bls. .....lb. .10¼- .10½
shortstick, bls.....lb. .12¾- .13
China, rolls, select, cs.....lb. .07 - .07¼
broken, extra, bls.....lb. .04½- .04¾
Saigon, bls.....lb. .15 - .15½
Cassia buds, cs.....lb. .15¼- .15¾
Cassia fistula, bskts.....lb. .07 - .09
Castile soap, white, bars., cs., 40 lbs.11.75 -12.50
powd., bbls. .....lb. .28 - .35
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots. .....lb.19.00 - —
Castor oil (see Oil, castor).
Pomace, dom., 5% ammon., bgs., c.l., works..ton.18.50 - —
import, bgs., c.i.f., ports, shipment..ton.21.00 - —
Catnep leaves, bls. .....lb. .17 - .18
Celery seed, French, bgs.....lb. .13¾- .14
Indian, bgs. .....lb. .11¾- .12
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, gran., cs., frt. alld..lb. .40 - —
Acetobutyrate, 501 lbs. and over, works..lb. .52 - —
101 lbs., works.....lb. .53 - —
smaller lots, works.....lb. .55 - —
Acetopropionate, 500 lbs. and over, works..lb. .57 - —
100-499 lbs., works.....lb. .58 - —
1-99 lbs., works.....lb. .60 - —
Triacetate, 50,000 to 99,999 lbs. lb. .50 - —
20,000 to 49,999 lbs.....lb. .55 - —
10,000 to 19,999 lbs.....lb. .60 - —
2,000 to 9,999 lbs.....lb. .65 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works .....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .19 - .20
Roman, bls. .....lb. .27 - .28
Charcoal, softwood, powd., bgs., c.l., divd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —
Colo. .....ton.27.00 - —
Conn., Me., Mass., N. H., R. I., Vt....ton.30.80 - —
Ill. (except river point), Minn., Neb., Wis.ton.25.00 - —
Indiana .....ton.26.00 - —
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso)..ton.23.00 - —
Kansas, El Paso, Tex., ton.24.00 - —
Michigan .....ton.27.80 - —
Ohio, Penn. .....ton.29.80 - —
Utah .....ton.34.00 - —
Willow, powd., bbls. .....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l. wks..lb. .02 - —
l.c.l., bbls., wks.....lb. .02¼- —
tanks, wks.....lb. .01⅝- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., airfloat, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works....ton. 7.00 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works, ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock Balto, Boston, Norfolk, Phila..ton.22.00 -25.00
powd., csks., l.c.l., ex dock, ton.35.00 - —
ex whse. .....ton.37.50 - —
Chloral hydrate, bots., 1,000 lbs. lb. .83 - .92
500 lbs.....lb. .86 - .95
100 lbs.....lb. .88 - .97
25 lbs.....lb. .90 - .99
1-10 lbs.....lb. .95 - 1.02
Chloral hydrate, dms., 1,000 lbs.lb. .80 - —
500 lbs.....lb. .83 - —
100 lbs.....lb. .85 - —
Chlorine, liq., cyls., c.l., divd., N. Y..lb. .05½- —
contracts, divd., N.Y.....lb. .05½- —
l.c.l., divd., N.Y.....lb. .07½- —
tanks, single unit, works, frt. equaled..100 lbs. 2.15 - —
tanks, multiple unit, 3 or over, wks., frt. equald..100 lbs. 2.30 - —
2, works, frt. equaled.100 lbs. 2.55 - —
1, works, frt. equald..... 100 lbs. 3.00 - —
Chloroacetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, coml, 100-lb. cyls., works..lb. .85 - —
5-lb. cycls., same basis..lb. 1.15 - —
Chrome acetate, powd., 17.5% cr., bbls., works..lb. .13 - —
smaller pkgs., works....lb. .17 - —
solut., 8% cs., bbls.....lb. .05 - .08
Cake, bulk, c.l, works.....ton.15.00 -16.00
Green (see Green, chrome).
Oxide (see Green, chrome oxide).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, cns.....lb. 3.25 - 3.30
Cinchona bark, chips, bgs.....lb. .18 - .19
high test, bgs.....lb. .37 - .38
quills, broken, bgs.....lb. .18 - .19
long, cs. .....lb. .45 - .50
short, bgs. .....lb. .40 - .45
Ecuador, tubes.....lb. .18 - .20
Cinchonidine, crys., small cns., 100 ozs..oz. .83 - —
large, cns.....100 ozs. .87 - —
powd., cns.....100 ozs..oz. .80 - —
Sulphate, N.F., cns.100 ozs..oz. .47 - —
Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —
large, cns.....100 ozs..oz. .58 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns.100 ozs..oz. .34 - —
Cinchophen, USP, boxes, 5 lbs., lb. 3.75 - —
bots., 1 lb.....lb. 3.27 - —
dms., 100 lbs.....lb. 3.00 - —
Cinnamic alcohol (see Alcohol cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2, bls.....lb. .16 - .16½
3, bls.....lb. .16½- .16¾
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine, ointment, jars, tubes..lb. .75 - —
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.75 - 1.80
Clove, Madagascar, bls.....lb. .14½- .14¾
Zanzibar, bls.....lb. .16½- .17
Clover tops, bgs.....lb. .13 - .14
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., divd. lb. .65 - .67
Carbonate, tech., bbls., divd..lb. 1.63 - —
Chloride, dms., works.....lb. 1.03 - 1.18
Hydrate, bbls.....lb. 1.78 - —
Linoleate, paste, 6%, dms....lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —

Cobalt oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.67 - —
Resinate, fused, A, bbls.....lb. .13½- —
1%, bbls.....lb. .13 - —
2%, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .59 - —
Cocaine hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .35 - .38
Teneriffe, silver, bgs.....lb. .36 - .39
Cocillana bark, bgs.....lb. .15 - .16
Cocoa butter, lump, bgs., c.l..lb. .12 - .12½
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz. 10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .08 - .09
Blue, root, bls.....lb. .07 - .07½
Colchicine, bots., 4 ozs.....oz.20.00 - —
single ozs.....oz.21.00 - —
Colchicum seed, bgs.....lb. .25 - .27
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs.lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .23 - .29
Colombo root, bls.....lb. .10 - .11
Coltsfoot leaves, bgs.....lb. .08 - .09
Condurango bark, bgs.....lb. .08 - .09
Conium leaves, bls.....lb. .17 - .18
Copaiba balsam, Para, cns....lb. .24 - .25
S.A., USP, cns.....lb. .26 - .27
Copper acetate, normal, bbls., dlvd..lb. .21 - —
smaller containers, dlvd..lb. .23 - —
Carbonate, 52-54%, bbls.....lb. .14 - .15
20%, bbls.....lb. .10½- .11½
Chloride, cryst., bbls.....lb. .12½- .13½
Cyanide, tech., bbls.....lb. .34 - —
Iodide, bots.....lb. 4.97 - 5.02
Metal, electrolytic.....lb. .10½- —
Nitrate, cryst., bbls.....lb. .1620- .17
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .14¾- .15¼
smaller lots, works.....lb. .15¾- —
red, com'l, 50-75%, kgs., f.o.b. N. Y...lb. .15¼- .16¼
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .23 - .24
Sulphate (see Blue vitriol).
Copperas, cryst., gran., bgs., c.l., works..ton.16.00 - —
bbls., c.l., works.....ton.18.00 - —
l.c.l., 25 or over, works.... 100 lbs. 1.35 - —
5-24, works.....100 lbs. 1.50 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.13.00 - —
Copra, Coast, shipt.....lb. .0185 Nom.
Coriander seed, Morocco, bgs..lb. .04¾- .05
bleached, bgs.....lb. .07¾- .08
Corn sugar, tanners, bbls., c.l., dlvd..100 lbs. 3.00 - —
ex whse.....100 lbs. 3.10 - —
Syrup, 42°, bbls., c.l....100 lbs. 2.94 - —
43°, bbls., c.l.....100 lbs. 2.99 - —
Cornsilk, bls.....lb. .06 - .07
Corrosive sublimate, cryst., dms., 50 lbs., or more..lb. 1.13 - —
gran., powd., dms., 50 lbs. or more..lb. .99 - —
Cottonroot bark, bls.....lb. .11 - .12
Cottonseed hull ash, 30-32% pot-ash, bgs., dlvd..unit-ton. 1.10 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .22 - .23
so-called, bls.....lb. .07 - .08
Cranesbill root, bls.....lb. .14 - .15
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .22¾- —
smaller lots, bbls.....lb. .23¼- —
kgs.....lb. .23¾- —
Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Oil, crude, tanks, works....gal. .13½- .14½
Coaltar solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works, gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works.lb. .10½- —
l.c.l., same basis.....lb. .11 - —
special resin grade, dms., c.l., works..lb. .09¼- —
l.c.l., same basis.....lb. .09¾- —
Crotonaldehyde, 97%, 55 and 110 gal. dms., dlvd..lb. .22 - —
5 and 10 gal. dms., dlvd..lb. .25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .25 - .26
2,000 lbs. to 10,000 lbs..lb. .26 - .27
1,000 lbs. to 2,000 lbs..lb. .27 - .28
200 lbs. to 1,000 lbs.....lb. .29 - .30
4% rotenone prices are 4c. per lb. less.

Cube root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

Cubeb berries, XX, bgs.....lb. .27 - .28
powd., cs.....lb. .30 - .31
Culver's root, bls.....lb. .17 - .18
Cumin seed, Algerian, bgs....lb. .09¼- .09½
Morocco, bgs.....lb. No stocks.
Cutch, Philippine, extract, solid bags..lb. .04¼- .04½
Cyanamid, 21-22% N., pulv., bgs., dlvd., contrs., NH_3 unit..lb. 1.15 - —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
75%, gran., dms.....lb. .15 - —

D

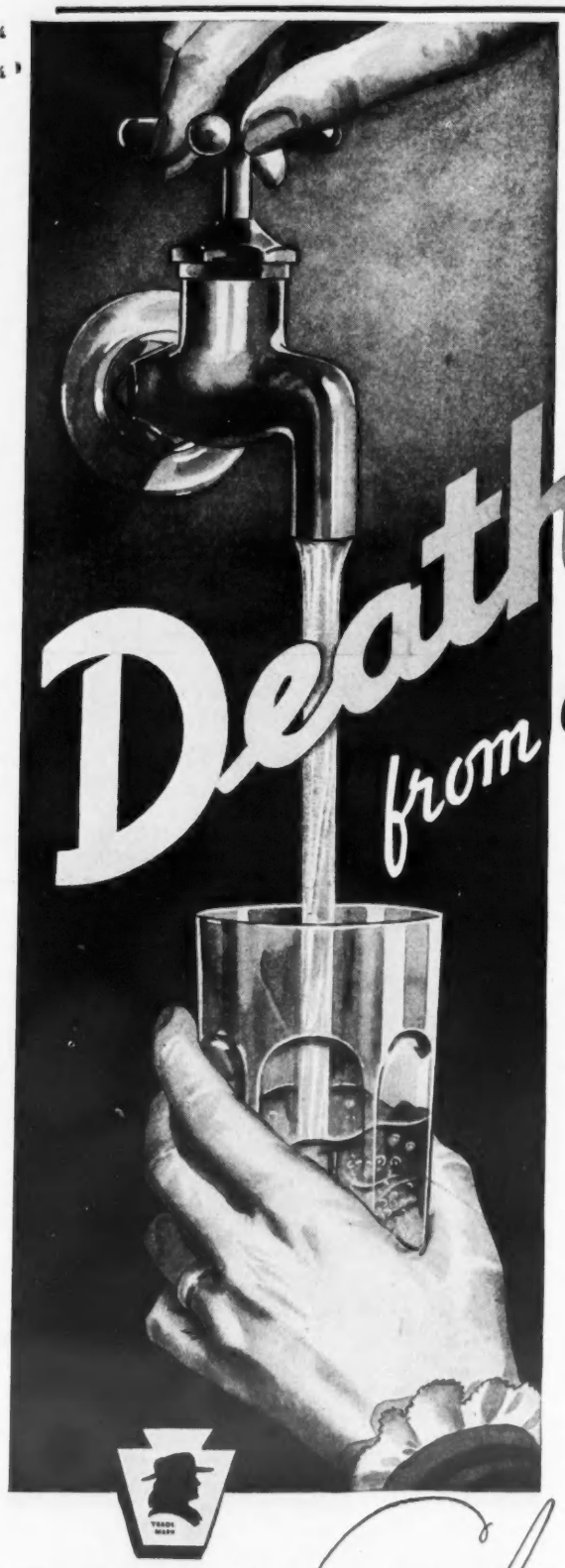
Damiana leaves, bls.....lb. .15 - .16
Dandelion root, German, bls..lb. .14 - .15
Deertongue leaves, bls.....lb. .09 - .09¼
Degras, common, dom., bbls...lb. .07¾- .08¼
English, bbls.....lb. .07¾- .08¼
neutral, dom., bbls.....lb. .11 - .15
English, bbls.....lb. .11 - .15
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .34 - .38
2,000 lbs., to 10,000 lbs..lb. .35 - .39
1,000 lbs. to 2,000 lbs. lb. .36 - .40
200 lbs. to 1,000 lbs..lb. .38 - .42
4% rotenone prices are 6c. per lb. less

Derris root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

Derris, resinate, 75% rotenone, cns..lb.10.00 -11.00
30% rotenone, cns.....lb. 5.50 - 6.50
25% rotenone, bulk, cns....lb. 3.60 - 6.00
15% rotenone, bulk, cns..lb. 2.10 - 4.25
Devil's club, root bark.....lb. 1.50 - —
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 3.60 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.80 - —
corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.35 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.55 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.30 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.50 - —
Potato, import, bgs.....lb. .07¼- .08
Diacetone (see under Alcohol).
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd...lb. .20½- —
l.c.l., dlvd.....lb. .21 - —
tanks, dlvd.....lb. .19½- —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -85.00
l.c.l., ex whse.....ton.45.00 -150.00
import, bgs., c.l., c.i.f.....ton.30.00 - —
Dibutylamine, dms., l.c.l., works, lb. .55 - —
Dibutyl phthalate, dms., c.l., dlvd..lb. .20½- —
l.c.l., dlvd. .....lb. .21 - —
tanks, dlvd. .....lb. .19½- —
Tartrate, dom., dms.....lb. .46 - .54
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works .....lb. .16 - —
tanks, works .....lb. .14 - —
Diethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., works .....lb. .25 - —
tanks, works .....lb. .23 - —
Diethyl carbonate, coml., dms.lb. .25 - —
refd., 99%, dms. .....lb. .35 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l., frt. alld. lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works .....lb. .14 - —
tanks .....lb. .12 - —
Diethylanilin, dms. .....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .16 - —
l.c.l., works .....lb. .17 - —
Monobutylether, dms., works.lb. .23 - .24
Diethylene glycol monoethylether, dms., c.l., works..lb. .15 - —
l.c.l., works .....lb. .16 - —
tanks, works .....lb. .14 - —
Digitalis, leaves, dms.....lb. .42 - .45
Diglycol laurate .....lb. .22 - —
Diglycol oleate, light, bbls.....lb. .20 - —
Diglycol stearate .....lb. .24 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .09 - .09½
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd. .....lb. .19 - —

Cobalt Oleate—Dover's Powd.

Dimethylamine, dms., c.l., dlvd. lb. 1.00 - —
l.c.l., dlvd. .....lb. 1.05 - —
tanks, dlvd. .....lb. .17½- —
Dimethylanilin, dms., c.l.....lb. .26 - —
l.c.l., dms. .....lb. .27 - —
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls, 89° min., lb. .18 - —
Dinitrochlorobenzene, bbls.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .09 - —
Diorthotoluolguanidins, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .20 - .25
Oxide, perfume grade, cns....lb. .50 - .55
Diphenylamine, bbls.....lb. .81 Nom.
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Disodium phosphate (see Soda phosphate, dibasic).
Divi-divi extract, bbls.....lb. .05¾- .06¾
Doggrass root, cut, bls.....lb. .11 - .12
Dogwood bark, dom., bls.....lb. .07 - .08
Jamaica, bls.....lb. .06 - .07
Dover's powder, USP, cns.....lb. 2.75 - 2.80



thousand faucets.

AN EPIDEMIC! Raging through a town, typhoid fever often poured its danger into every home through the kitchen faucet.

Prior to 1910 this dread disease regularly claimed more than twenty thousand lives a year.

Typhoid fever is only one of the many water-borne diseases that have been controlled through the chemical purification of municipal water supplies. Chlorine was first used for this purpose in 1910. And today, with a population one-third greater, the nation has less than a tenth as many typhoid deaths as then.

Pennsylvania Salt Manufacturing Company has played a leading part in the production of chemicals and the development of processes for safeguarding the nation's water supply. Chemicals for this purpose must be exceedingly pure and uniform... a requirement that this Company meets unusually well because of its high manufacturing standards in the production of chemicals for industry. The services of our technical staff are always available to help with your difficult problems.

Some leading products of Pennsylvania Salt Manufacturing Co.
KRYOLITH (Natural Greenland Cryolite) · CHLORINE · SODIUM ORTHOSILICATE · CARBON TETRACHLORIDE · CARBON BISULPHIDE · CAUSTIC SODA

PENNSYLVANIA SALT MANUFACTURING CO. · Est. 1850
Widener Bldg., Philadelphia, Pa.
New York · Chicago · St. Louis · Pittsburgh · Tacoma · Wyandotte

PENNSYLVANIA SALT Chemicals

Dragon's Blood—Gum, Chicle

Dragon's blood, mass, cs.....lb. .65 - .85
reeds, thin, cs.....lb. .80 - .85
Dubois ine sulphate, vis.....oz.34.50 -35.00
Dyes, coaltar, for coloring foods (certified colors): (numbers are those of Colour Index scale):—
Blue:—
Brilliant blue FCF, cans..lb.13.50- —
f180 Sodium indigo disulphonate, cns..lb.13.50- —
Green:—
Fastgreen FCF, cns.....lb.27.50- —
666 Guinea green B., cns. lb.13.50- —
670 Light green SF, yellowish, cns..lb.17.50- —
Red:—
184 Amaranth, cns.....lb. 3.15- —
773 Erythrosin, cns.....lb.17.50- —
80 Ponceau 3R, cns.....lb. 6.00- —
Ponceau SX, cns.....lb. 5.75- —
Orange:—
150 Orange I, cns.....lb. 2.90- —
Yellow:—
10 Naphthol yellow S, cns..lb. 8.50- —
Sunset yellow FCF, cns.lb. 3.15- —
640 Tartrazin, cns.....lb. 3.15- —
22 Yellow AB, cns.....lb. 2.65- —
61 Yellow OB, cns.....lb. 2.65- —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G.....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. 1.00 - —
176 Fast red A.....lb. .60 - .75
180 Fast red VR.....lb. 1.50 - 1.65
189 Lake red R, paste.....lb. .85 - .90
188 Lake red R, powdered..lb. 3.00 - 3.10
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B...lb. .80 - .85
326 Direct cast scarlet.....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.30
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN..lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B.....lb. .40 - .42½
495 Benzo purpurin 10B...lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B....lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF..lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO.....lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow.....lb. 2.00 - 2.25
845 Nigrosin(water soluble).lb. .35 - .50
1177 Indigo, 20 p. c. paste..lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur tan.....lb. .30 - .50
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains (numbers are those of Colour Index scale):—
Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives..lb. .42 - —
Blue:—
1075 Alizarin astrol base.lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
729 Victoria blue.....lb. .75 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green.....lb. .75 - —
Orange:—
24 Sudan I.....lb. .70 - —
.... Orange, red shade..lb. .75 - —
Red:—
76 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthroquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenezene yellow..lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or ware house).
Black:—
864 Nigrosin.....lb. .40 - —
Blue:—
729 Victoria blue.....lb. 2.55 - —
860 Indulin.....lb. .70 - —
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoldin G.....lb. .95 - —
21 Chrysoldin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow..lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet .....lb. .70 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
865 Nigrosin .....lb. .36 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —

Dyes, coaltar, for stains (numbers are those of Colour Index scale):
Brown:—
234 Resorcin brown Y...lb. .65 - —
235 Resorcin dark brown R lb. .66 - —
231 Bismarck brown G..lb. .52 - —
332 Bismarck brown R..lb. .37 - —
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .38 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green. lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
Water-soluble:—
Red:—
31 Amidonaphthol red G. lb. .42 - —
37 Amidonaphthol red 6B. lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .52 - —
183 Crocein scarlet 3BX.lb. .60 - —
185 Cochineal red A....lb. .60 - —
Water-soluble:—
Red:—
252 Brilliant crocein M..lb. .68 - —
677 Fuchain .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Water-soluble:—
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN....lb. .88 - —
Yellow:—
10 Naphthol yellow S..lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow...lb. 1.25 - —
639 Xylene light yellow.lb. 1.15 - —
640 Tartarzin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls .....lb. .20 - .21
Egg albumen (see Albumen).
yolk, bbls.....lb. .64 - .66
Elder flowers, bright, bls.....lb. .21 - .23
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .10 .11
powd., bbls., bxs.....lb. .20 .21
select bndls. .....lb. .25 - .26
Emetine hydrochloride, bots..oz.13.50 -14.00
Ephedra, bls.....lb. .28 - .29
Ephedrine, tins, 1,000 ozs....oz. 2.50 - —
tins, 100 ozs. .....oz. 2.65 - —
Hydrochloride, tins, 1,000 ozs. oz. 1.75 - —
tins, 100 ozs. .....lb. 1.90 - —
Sulphate, cryst., 1,000 ozs...oz. 1.75 - —
tins, 100 ozs. .....lb. 1.90 - —
Epsom salt, tech., bgs....100 lbs. 1.85 -
bbls. .....100 lbs. 1.90 -
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.25 - —
smaller lots.....lb. 2.50 - —
bbls., c.l.....lb. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.35 - —
smaller lots.....lb. 2.60 - —
kgs., c.l.....lb. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.60 - —
smaller lots.....lb. 2.85 - —
dried, dom., bgs., l.c.l...lb. .08 - .10
Ergot, USP, cs., dms.....lb. 1.65 - 1.70
Eserine, bats.....oz.42.00 - —
Salicylate, bots.....oz.33.00 -34.00
Sulphate, bots.....oz.30.00 - —
Ether, acetic (see Ethyl acetate)
Butyl, dms., l.c.l., dlvd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .08 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works..lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85 p.c., dms., c.l., frt. alld..lb. .06½- —
l.c.l., frt. alld.....lb. .07 - —
tanks, frt. alld.....lb. .05½- —
99 p.c., dms., c.l., frt. alld., lb. .07¼- —
l.c.l., frt. alld.....lb. .07¾- —
tanks, frt. alld.....lb. .06¼- —
N. F., VI, 99%, dms., 400 lbs. lb. .08½- —
cns., 35 lbs.....lb. .13½- —
USP, VIII, 90%, dms., 400 lbs..lb. .07½- —
cns., 35 lbs.....lb. .12½- —
Acetoacetate, dms., c.l., works, lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms. .....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55 and 110 gal. dms., dlvd..lb. .33 - —
5 and 10 gal. dms., dlvd...lb. .36 - —
Formate, cns., dms.....lb. .23 - .24
Iodide, bots.....lb. 5.01 - —
Lactate, 55-gal. dms., works..lb. .33½- —
5-gal. dms., works.....lb. .37½- —
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Ethylcellulose, bgs., 500 lbs. or more, frt. alld..lb. .6440- —
100 lbs., frt. alld.....lb. .6930- —
smaller lots, works.....lb. .7425- —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0545- .05½
West of Rockies, same basis..lb. .0595- .06
l.c.l., works, E. of Rockies, frt. alld..lb. .0644- .06½
West of Rockies, same basis..lb. .0694- .07
Ethyleneglycol, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - .20
tanks .....lb. .15 - —
Monobutylether, dms., c.l., works..lb. .18 - —
l.c.l., works.....lb. .19 - .22
tanks, works.....lb. .17 - —
Monoethylether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Monoethylether, acetate, dms., c.l., works..lb. .13 - —
l.c.l., dms.....lb. .14 - —
tanks, works.....lb. .12 - —
Ethyleneglycol, monoethylether, dms., c.l., works..lb. .17 - —
l.c.l., works.....lb. .18 - —
tanks, works.....lb. .16 - —
Ethylidinaniliin, dms.....lb. .45 - .47½
Ethylmethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .06½- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .05½- —
Ethylorthoparatoluenesulphonamide, bbls..lb. .60 - —
Eucalyptol, cns., dms.....lb. .55 - .57
Eucalyptus leaves, bls.....lb. .08 - .09
bbls..lb. .55 - —
Ethylparatoluenesulphonamide,
Eugenol, bgs., cns.....lb. 1.90 - 2.15
Euphorbia, bls.....lb. .05 - .06

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
glass, 20 mesh, bulk, works.ton. 9.75 -13.25
pottery, bulk, Me. works...ton.17.00 -19.00
N.C. works.....ton.17.00 -19.00
Fennel seed, French type, bgs., lb. .07½- .08
Indian, bags.....lb. .07½- .07¾
German, large, bgs.....lb. .18 - .19
small bgs.....lb. .13 - .14
Fenugreek seed, bgs.....lb. .03¾- .04¼
Ferric sulphate, dms., works.ton.35.00 -40.00
Film scrap, colors, dark, cs., 1,000 lbs., or over, works..lb. .12¼- —
smaller lots, works...lb. .13 - —
light, cs., 1,000 lbs. or over, works..lb. .13½- —
smaller lots, works.....lb. .14 - —
water white, cs., 1,000 lbs., or over, works..lb. .14½- —
smaller lots, works...lb. .15 - —
Fir balsam, Canada, cns.....gal.13.00 -14.00
Oregon, bbls.....gal. 1.35 - 1.40
Fish berries, bgs.....lb. .08 - .09
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 3.25 & .10
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto..ton.48.00 - —
wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, E. cst. factories, contracts..unit-ton. 2.75 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, shipt..ton.43.50 - —
Flake, white, bbls., kgs.....lb. .10¼- —
Fleaseed, French, black, bgs..lb. .13 - .14
Indian, blonde, bgs.....lb. .08 - .08½
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, ton.31.50 - —
Washed gravel, 85-5, f.o.b. Ill.-Ky. mines..ton.19.00 -20.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..ton.20.00 -21.00
imported, 85% not over 5% duty paid..ton.23.50 -24.00
Formaldehyde, bbls., c.l., works, lb. .05¾- —
l.c.l., works.....lb. .06¼- —
dms., c.l., works.....lb. .05¼- —
l.c.l., works.....lb. .05¾- —
tanks, works.....lb. .04½- —
Fringetree bark, bls.....lb. .12 - .13
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines..ton.10.00 - —
import, bgs., c.l., ex dock..ton.23.00 - —
l.c.l., ex whse.....ton.30.00 - —
Furfural, refd., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .12½- .14
Fustic extract, cryst., bbls....lb. .22 - .26
liquid, bbls.....lb. .09½- .13
solid, dms.....lb. .17½- .19¼

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .09 - .10
Gall extract, bbls.....lb. .19 - .20
Gambier, common, cases.....lb. .06¾- .07
plantation, cases.....lb. .08¼- .09
Cubes, Singapore, cases....lb. .08½- .09
Extract, bbls.....lb. .06½- .09½
Gasoline at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .07¼- —
65 octane and above, tanks, gal. .07½- —
California, 54-58, tanks...gal. .06¾- .08¼
Gulf Coast, U. S. Motor, bulk, gal. .04¾- .04⅞
60-62, 390 e.p., bulk, export, gal. .04¾- .04⅞
60-62, 400 e.p., bulk, export, gal. .04¾- .04⅞
64-66, 375 e.p., bulk, export, gal. .04⅞- —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .04¼- .04½
63-66 octane, tanks....gal. .04½- .04⅝
67-69 octane, tanks....gal. .04⅞- .05
70-72 octane, tanks....gal. .05½- .05¾
Oklahoma-Texas, US motor, 62 octane and below, tanks..gal. .04½- .04¼
third grade, tanks....gal. .04⅛- .04¼
63-68 octane, tanks....gal. .04 - —
67-69 octane, tanks....gal. .04⅝- —
70-72 octane, tanks....gal. .04⅞- .05½
natural, 12-lb. v. p., tanks, gal. .03¼- .03½
14-lb. v.p., tanks.....gal. .03⅜- —
18-lb. v.p., tanks.....gal. .02⅝- .02⅞
22-lb. v.p., tanks.....gal. .02⅜- —
26-28 lb., v.p., tanks..gal. .03 - —
Pennsylvania, US motor, below 60 octane tanks... gal. .05 - —
65 octane, tanks.....gal. .06½- —
52-56 450 e.p., naphtha, tanks..gal. .04¾- .05
Gelatin, silver, cs.....lb. .45 - .50
Gelsemium root, bls.....lb. .11 - .12
Gentian root, bls.....lb. .03½- .09
grd., bbls., bxs.....lb. .12 - .13
powd., bbls., bxs.....lb. .13 - .14
Geraniol, cns., dms.....lb. .67 - 3.00
Geranyl acetate, bots., dms...lb. 1.20 - 2.50
Ginger root, African, bgs....lb. .07¼- .07⅝
Cochin, lemon, bgs.....lb. .10½- .11
Jamaica, bold, bgs.....lb. .15 - .15½
grinding, bright, bgs...lb. .11½- .11½
medium, bold, bgs.....lb. .11¾- .12
Japanese, bgs.....lb. .09 - .09½
Ginseng fibers, cs. .....lb. 1.75 - 3.00
Root, cultivated, cs.....lb.10.00 -11.00
wild, Southern, cs.....lb. 6.00 - 7.00
Glauber's salt, anhyd. (see Soda sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.15
5 tons or over, works... 100 lbs. 1.05 - 1.25
less than 5 tons, works.. 100 lbs. 1.15 - 1.35
import., bgs.....100 lbs. 1.05 - 1.35

Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
36/58, bgs., c.l., dlvd....lb. .13¾- —
l.c.l., dlvd .....lb. .14 - —
58/82, bgs., c.l., dlvd...lb. .14½- —
l.c.l., dlvd. .....lb. .15 - —
82/108, bgs., c.l., dlvd....lb. .15 - —
l.c.l., dlvd. .....lb. .15½- —
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd., East, Middlewest..lb. .15 - —
l.c.l., same basis.....lb. .15½- —
60/164, bgs., c.l., same basis. lb. .16½- —
l.c.l., same basis.....lb. .17 - —
67/122, bgs., c.l., same basis..lb. .17½- —
l.c.l., same basis.....lb. .18 - —
75/222, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis.....lb. .19½- —
83/251, bgs., c.l., same basis..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
92/283, bgs., c.l., same basis..lb. .20½- —
l.c.l., same basis.....lb. .21½- —
102/315, bgs., c.l., same basis lb. .21 - —
l.c.l., same basis.....lb. .22 - —
113/347, bgs., c.l., same basis lb. .22 - —
l.c.l., same basis.....lb. .23 - —
125/379, bgs., c.l., same basis lb. .23 - —
l.c.l., same basis.....lb. .24 - —
Glue prices for barrel packing, ½c. lb. higher, grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, C.P., cns., l.c.l.....lb. .16¼- .16¾
dms., c.l.....lb. .14¼- —
l.c.l., ...lb. .14¾- —
tanks .....lb. .14 - —
dynamite, dms.....lb. Nominal.
heavy gravity dms., c.l.....lb. .13¾- —
l.c.l .....lb. .14¼- —
tanks .....lb. .13½- —
saponification, basis 88%, dms., returnable, dlvd..lb. .09½- .09¾
soaplye, basis 80%, dms., returnable, dlvd..lb. .08½- .08¾
Glycol boriborate, dms.....lb. .23 - —
Phthalate, dms. .....lb. .38 - —
Stearate, dms. .....lb. .25 - —
Gold, U.S. purchase price....oz.35.00 - —
Chloride, acid brown, bots..oz.20.75 -21.00
yellow, bots. .....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
U.S.P. IX, bots.....oz.14.50 -14.78
Gold of pleasure seed, bgs..lb. .12 - .12½
Goldenseal root, bls.....lb. 2.95 - 3.25
powd., bxs. .....lb. 3.15 - 3.40
Grains of paradise, bgs.....lb. .23 - .23½
Graphite, flake (cryst.), 90% 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works .....lb. .06½- —
powd., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works..lb. .02½- —
65% graphitic carbon,, bbls., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03½- —
80% graphitic carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —
Grease, house, trcs.....lb. .04¾- .05
White, trcs. .....lb. .05¾- .06
Yellow, trcs. .....lb. .04¾- .05
Wool (see Adeps lanae and Degras).
Green, chrome, C.P., dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
over 50%, bbls., same basis lb. .31 - —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

reduced, C.P. color content up 5%, bbls., same basis.lb. .06 - —
6-10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07¼- —
14-16%, bbls., same basis.lb. .07½- —
17-19%, bbls., same basis.lb. .07¾- —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls., same basis.lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¼ —
46-50%, bbls., same basis.lb. .18¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¼- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¼- —
oxide, dom., pure, bbls...lb. .22 - —
ceramic, light shades, bbls., c.l., works..lb. .28 - —
l.c.l., works .....lb. .30 - —
standard grade, bbls., works..lb. .21 - .22
Tetrahydroxide, bbls.....lb. .85 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.50 - —
emerald, kgs.....lb. 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .08 - .09
Guaiac resin, cs.....lb. .27 - .28
strained, cs. .....lb. .90 - 1.00
Wood, bls. .....lb. .04 - .05
Guaiacol, liq., djns.....lb. 1.55 - 1.70
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Guarana, powd., cs. .....lb. 1.05 - 1.10
Gum, aloe (see A).
Ammoniac, tears., cs.....lb. .85 - .90
Arabic, amber sorts, cleaned, bgs..lb. .09¼- .09½
white, sorts, 1, bgs.....lb. .23 - .24
2, bgs.....lb. .21 - .22
powd., bbls.....lb. .12 - .12½
Asafetida (see A).
Asphaltum (see A)
Benzoin, Siam, cs.....lb. 1.40 - 1.60
Sumatra, cs.....lb. .23 - .25
Camphor (see C)
Chicle, prime, 38% moisture, bgs., ton lots..lb. .38 - .39

Gum, copal, Congo 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran....lb. .34¾- —

Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.

Copal, Congo 2, cloudy, white, bgs., c.l., same basis..lb. .26¾- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .18¼- —
4, pale bold straw, bgs., c.l. same basis..lb. .18¾- —
5, pale straw bold, bgs., c.l. same basis..lb. .14¾- —
6, pale amber bold, bgs., c.l., same basis..lb. .15¾- —
7, pale, straw bold, bgs., c.l., same basis..lb. .12¾- —
8, light amber bold, bgs., c.l., same basis..lb. .11¾- —
9, medium light amber, bold, bgs., c.l., same basis..lb. .09¾- —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .09¾- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .07½- —
12, selected, bold sorts, bgs., c.l., same basis..lb. .06½- —
13, dark sorts bold, bgs., c.l., same basis..lb. .05¾- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .17¾- —
15, ordinary ivory sorts, bgs., c.l., same basis.lb. .06¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .05¾- —
17, pale, fingers, bgs., c.l., same basis..lb. .15¾- —
18, pale straw nubs, bgs., c.l., same basis..lb. .12¼- —
19, pale straw nubs, bgs., c.l., same basis..lb. .11¾ —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .08¾- —
21, ordinary selected nubs, c.l., same basis..lb. .07¼- —
22, small mixed nubs, bgs., c.l., same basis..lb. .06¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .06¾- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .14¼- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis, lb. .07 - —
26, pale, bold chips, bgs., c.l., same basis..lb. .06 - —
27, pale small chips, bgs., c.l., same basis..lb. .05⅝- —
28, pale dust, bgs., c.l., same basis..lb. .04⅜- —

East India, Batu, bold scraped, bgs., c.l., same basis, lb. .05 - —
unscraped, bgs., c.l., same basis..lb. .04 - —
chips, bgs., c.l., same basis, lb. .03¾- —
dust, bgs., c.l., same basis..lb. .03¼- —
nubs and chips, bgs., c.l., same basis..lb. .03¾- —
black, bold, scraped, bgs., c.l., same basis..lb. .06⅝- —
unscraped, bgs., c.l., same basis..lb. .05 - —
nubs and chips, bgs., c.l., same basis..lb. .05 - —

Hiroe, Macassar, pale, bold, bgs., c.l., same basis.lb. .12½- —
chips, bgs., c.l., same basis..lb. .05¾- —
dust.,bgs.,c.l.,same basis, lb. .03¼- —
nubs, bgs., c.l., same basis..lb. .09¼- —

Singapore, Rasak, bold, bgs., c.l., same basis..lb. .14½- —
chips, bgs., c.l., same basis, lb. .05¾- —
dust,bgs.,c.l.,same basis.lb. .03¼- —
nubs, bgs., c.l., same basis, lb. .10 - —

Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .11¼- —
light, bskts., c.l., same basis..lb. .13¾- —

Loba A, bskts., c.l., same basis..lb. .11¼- —
B, bskts.,c.l.,same basis..lb. .11 - —
C, bskts.,c.l.,same basis..lb. .10¼- —
CNE, bskts., c.l., same basis..lb. .06⅝- —
D, bskts., c.l., same basis, lb. .09¾- —
DK, bskts., c.l., same basis, lb. .06⅝- —
DU, bskts., c.l., same basis, lb. .08⅝- —
dust, bskts.,c.l., same basis, lb. .05⅜- —

Sambas and white split chips, bskts., c.l., same basis..lb. .15 - —
Singapore, dust., bskts., c.l., same basis..lb. .05⅜- —
spirit-soluble, CBB, bskts., c.l., same basis..lb. .08¾- —
DBB, bskts., c.l., same basis..lb. .08 - —
MA, bskts., c.l., same basis, lb. .06½- —
MB, bskts., c.l., same basis, lb. .06 - —
WS, bskts., c.l., same basis, lb. .08 - —

Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .06⅝- —
chips, pale, bskts., c.l., same basis..lb. .08½- —
small, bskts., c.l., same basis..lb. .07¼- —
extra pale sorts, bskts., c.l., same basis..lb. .08¾- —
nubs, bskts., c.l., same basis..lb. .10⅝- —
pale, scraped, bskts., c.l., same basis..lb. .11⅜- —
seeds and dust, bskts., c.l., same basis..lb. .05⅞- —

Pontianak, bold, genuine, bgs., same basis..lb. .15¼- —
mixed, bgs., c.l., same basis..lb. .14 - —
chips, bgs., c.l., same basis, lb. .08⅝- —
split, bgs., c.l., same basis, lb. .13⅞- —
nubs, bgs., c.l., same basis, lb. .11¼- —

Dammar, Batavia, A, cs. c.l., same basis as copal..lb. .20⅞- —
A/D, cs, c.l., same basis.lb. .16½- —
A/E, cs., c.l., same basis.lb. .13¾- —
E, cs., c.l., same basis..lb. .19⅜- —
C, cs., c.l., same basis...lb. .16⅝- —
D, cs., c.l., same basis..lb. .13¾- —
dust., cs., c.l., same basis.lb. .05⅜- —
E, cs., c.l., same basis...lb. .07⅝- —
F, cs., c.l., same basis...lb. .07¼- —

Singapore 1, cs., c.l., same basis..lb. .16 - —
2, cs, c.l., same basis....lb. .10⅜- —
3, cs, c.l., same basis....lb. .05 - —

Gum, Dammar, Singapore, chips, cs., c.l., same basis..lb. .10⅜- —
dust., cs., c.l., same basis, lb. .05 - —
seeds, cs., c.l., same basis, lb. .07¾- —
Elemi, cns., c.l., same basis as copal..lb. .08½- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del., and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs., lb. .06¾- .07
less than 10,000 lbs., same basis..lb. .07 - .07½
dlvd., western N. Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or stright c.l., lb. .07¼- .07½
l.c.l., same basis.....lb. .07½- .08
dlvd., elsewhere, 75,000 lbs., contrs. or straight, c.l. lb. .07½- .08
l.c.l., same basis.....lb. .07¾- .08¼
Euphorbium, cs.....lb. .17 - .18
Galbanum, cs.....lb. .90 - .95
Gamboge, pipe, cs.....lb. .65 - .70
powd., bbls.....lb. .70 - .75
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karava, bbls., bxs., dms....lb. .14½- .23
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80% chips, cs., c.l., same basis..lb. .12½- —
pale, XXX, cs., c.l., same basis..lb. .61 - —
1, cs., c.l., same basis..lb. .41 - —
2, cs., c.l., same basis..lb. .24 - —
3, cs., c.l., same basis..lb. .17¾- —
Kino, tins.....lb. 2.50 - 2.75
Mastic, cs., c.l., same basis as copal..lb. .55 - .56
Myrrh, USP, cs.....lb. .35 - .36
Olibanum, siftings, bls.....lb. .07½- .18
tears, cs.....lb. .18 - .24
Opium (see O)
Rosin (see R)
Sandarac, cks., c.l., same basis as copal..lb. .25 - .26
Scammony, cs.....lb. 1.10 - 1.15
Senegal, picked, bgs.....lb. .25 - .27
sorts, bgs.....lb. .09¼- .09½
Talha, bgs.....lb. .07½- .08
Thus, bbls.....280 lbs.14.00 -14.25
Tragacanth, Aleppo 1, cs....lb. 2.65 - 2.70
2, cs.....lb. 2.35 - 2.40
3, cs.....lb. 2.30 - 2.35
4, cs.....lb. 2.25 - 2.30
5, cs.....lb. 2.20 - 2.25
flake, bgs.....lb. .50 - 1.00
Yacca, bgs., c.l., same basis as copal..lb. .03¼- —
powd., bgs., c.l., same basis.lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald.ton.21.15 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.15 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.15 - —
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.15.70 - —
Brighton, N. Y., frt. equald..ton.15.70 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
stucco, paper bgs., c.l., f.o.b. Acme, Texas; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald..ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock....ton.27.50 - —

H

Heliotropin, cryst., cns.....lb. 1.80 - 2.20
Hellebore,white,root,powd.,bbls.lb. .12 - .13
Helonias root, bls.....lb. .55 - .60
Hematine crystals, bbls.....lb. .18 - .28
Hemlock bark extract, 25% tan, c.l., bbls., works..lb. .03 - —
l.c.l., bbls., works.....lb. .03¼- —
tanks, works.....lb. .02⅝- —
Hempseed, Manchur, bgs.....lb. .05¾- .06
Henbane leaves, bls.....lb. .15 - .16
Henna leaves, bls.....lb. .07½- .08
powd., bbls., bxs.....lb. .10 - .11
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexalin, dms.....lb. .30 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .35 - —
150 to 1,350 lbs. shipments, same basis..lb. .36 - —
USP, dms., 500 lbs., or more, shipments, same basis, lb. .46 - —
100 to 400 lbs., shipments, same basis..lb. .47 - —
Hexyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .13 - —
l.c.l., same terms.....lb. .13¾- —
tanks, same terms.....lb. .12 - —
Homatropine hydrobromide, bots., 50 ozs..oz.13.00 - —
25 ozs.....oz.13.50 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 2.50 - —
Hops, N. F., bls.....lb. .17 - .27
Horehound, bls.....lb. .08½- .09
Hydrangea root, bls.....lb. .09 - .10
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Hydrochloride, bots., 4 ozs...oz.17.25 - —
cns., 16 oz.....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.19.25 - —
cns., 16 oz.....oz.19.00 - —

Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E.ofMiss.R.lb. .20 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.18.00 -19.00
Hyoscyamine, bots.....oz.15.00 - —
Hydrobromide, bots.....oz.15.00 - —
Sulphate, bots.....oz.15.00 - —
Hypernic, liq., 51°, bbls.....lb. .16 - .21
solid, bxs.....lb. .18½- .20½

I

Iceland moss, bls.....lb. .12 - .13
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol. CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.30 - —
kgs., 150 lbs.....lb. 1.07 - —
less 5%, kgs., 150 lbs..lb. 1.07 - —
resubl., bots., 5 lbs.....lb. 1.85 - —
jars, 50 lbs.....lb. 1.75 - —
tincture, USP, bbls., 47 gals., gal. 1.55 - —
cbys., 5 gals.....gal. 1.60 - 1.65
mild, bbls., 47 gals.....gal. .80 - —
cbys., 5 gals.....gal. .85 - .90
Iodoform, dms., 100 lbs.....lb. 3.95 - —
jars, 25 lbs.....lb. 4.05 - —
Ionone, bots.....lb. 1.30 - 4.05
Ipecac root, bgs.....lb. 1.10 - 1.15
powd., bxs.....lb. 1.20 - 1.25
Irish moss, ordinary, bls.....lb. .10 - .11
powd., 80-90 mesh, bbls...lb. .20 - .22
prime, bleached, bls.....lb. .18 - .20
Iron acetate, N. F. IV, cbys., 100 lbs..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhyd., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms .....100 lbs. 5.00 - 6.60
cryst., bbls., works, frt. alld. or equid..lb. .05 - .06
kegs, works, frt. alld. or equid..lb. .07½- .08
liquor, cbys., works, frt. alld. or equid..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs.....lb. .08½- —
USP solut., cbys., works, frt. alld. or equid..lb. .06½- .07
djns.....lb. .07½- —
Citrate, USP VIII, pearls, cns., lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots.....lb. 2.97 - —
cns., 25 lbs.....lb. 3.09 - —
Hypophosphite, cns.....lb. 1.53 - 1.60
Iodide, bots.....lb. 2.99 - —
syrup, djns.....lb. .37 - .38
bots.....lb. .52 - —
Nitrate, coml., kgs.....lb. .02⅝- .08
Oxalate, powd., kgs.....lb. .47 - —
cns.....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Pyrophosphate, pearls, cns..lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas and ferric sulphate).
USP, cryst., bbls., 275 lbs. lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
Oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs.....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs.....lb. .44 - —
jars.....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs.....lb. .25½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. pd. E. of Rocky Mts..lb. .06½- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .05½- —
Isopropyl alcohol (see Alcohol).
Ether, dms., c.l., works, frt. alld. E. of Miss R..lb. .07 - —
l.c.l.....lb. .08 - —
tanks.....lb. .06 - —

J

Jaborandi leaves, bls.....lb. .10 - .11
Jalap root, NF, bls.....lb. .16 - .17
powd., bbls., bxs.....lb. .20 - .21
Juniper berries, bgs.....lb. .03¾- .04

K

Kamala, tins.....lb. .32 - .33
Kava kava root, bls.....lb. .15 - .16
Kerosene, at refinery:—
Bayonne,41-43 w.w., tanks.gal. .05⅝- —
Gulf ports, p.w., bulk, export, gal. .03⅞- —
w.w., bulk..gal. .04 - —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04⅝- .04½
Kerosene, at refinery, Oklahoma-Texas, 41-43 w.w., tanks, gal. .04 - .04⅛
42-44 w.w., tanks.....gal. .04½- .04½
Pennsylvania, 45 w.w., tanks, gal. .04⅝- —
46 w.w., tanks.....gal. .05 - —
47 w.w., tanks.....gal. .05⅛- —
Kerosene, tankwagon:—
Atlanta.....gal. .14 - —
Boston.....gal. .08½- —
Chicago.....gal. .10½- —
Cincinnati.....gal. .13 - —
Denver.....gal. .11½- —
Louisville.....gal. .10½- —
Minneapolis.....gal. .10 - —
New Orleans.....gal. .12 - —
New York.....gal. .08⅝- —
San Francisco.....gal. .11½- —
Kerosene distillate (see Oil, furnace).

Gum, Copal—Lecithin

Kieserite, calc., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .07½- .08

L

Lady slipper root, bls.....lb. .55 - .60
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 8.25 - 8.50
Middlewestern, trcs...100 lbs. 8.50 - 8.60
Neutral, trcs.....100 lbs.10.25 -10.50
Western, choice, trcs..100 lbs. 8.60 - 8.70
Compound, trcs.....100 lbs.10.75 -11.00
Larkspur seed, bgs.....lb. .30 - .33
Laurel berries, bls.....lb. .09 - .10
Leaves, Ital., bls.....lb. .04¾- .04¾
Lavender flowers, ordinary, bls.lb. .35 - .40
select, bls.....lb. .46 - .49
Lead acetate, white, broken, bbls..lb. .10 - —
cryst., bbls.....lb. .10 - —
gran., bbls.....lb. .10¾- —
powd., bbls.....lb. .10¾- —
Arsenate, bgs., dealers E. of Rockies..lb. .12½- —
W. of Rockies.....lb. .12½- —
l.c.l., bgs., dealers, E. of Rockies..lb. .13 - —
W. of Rockies.....lb. .12¾- —
Lead arsenate prices are works or whse basis, frt. alld. to dest. in lots of 56 lbs. or over; no frt. or truck allowance for works or whse pick ups.
Blue, basic sulphate, bbls., c.l., dlvd, E..lb. .06 - —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .06¼- —
l.c.l., dlvd., E.....lb. .06¼- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .06½- —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib. dms., 25 lbs.....lb. .49 - —
Iodide, N. F., V., powd., bots., 5 lbs..lb. 2.67 - —
jars.....lb. 2.55 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .19 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .10 - .13
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0765- —
other points.....lb. .0740- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08½- —
Colo., Mont., N. Mex., Wyo..lb. .08¼- —
other points ....lb. .07¾- —
smaller lots, dlvd., Ala., etc..lb. .08½- —
Ariz., etc. .....lb. .09 - —
Colo., etc. .....lb. .08¾- —
other points ....lb. .08¼- —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc, lb. .0790- —
other points .....lb. .0765- —
l.c.l., 5 tons, dlvd., Ala., etc...lb. .08¼- —
Ariz., etc. .....lb. .08¾- —
Colo., etc. .....lb. .08½- —
other points.....lb. .08 - —
smaller lots dlvd., Ala., etc..lb. .08¾- —
Ariz., etc. .....lb. .09¼- —
Colo., etc. .....lb. .09 - —
other points ....lb. .08½- —
98%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc..lb. .0815- —
other points ....lb. .0790- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08½- —
Ariz., etc. .....lb. .09 - —
Colo., etc. .....lb. .08¾- —
other points ....lb. .08¼- —
smaller lots, dlvd. Ala., etc..lb. .09 - —
Ariz., etc. .....lb. .09¼- —
Colo., etc. .....lb. .09¼- —
other points ....lb. .08¾- —
in oil, 95% min., 100-lb. kgs., lb. .11¾- —
Resinate, fused, 16%, bbls...lb. .09½- —
pale, bbls.....lb. .11½- —
precip., bbls.....lb. .16½- —
Stearate, bbls. .....lb. .22 - .28
Sulphate (see Lead, white, basic sulphate).
Titanate, bbls., c.l., f.o.b. works, frt. alld..lb. .11 - —
l.c.l., 5 tons, one delvy, dlvd., lb. .11¾- —
smaller lots .....lb. .11½- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07 - —
other points.....lb. .06¾- —
l.c.l.,dlvd.,Ariz., etc..lb. .07¼- —
other points.....lb. .07 - —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06¼- —
other points .....lb. .06 - —
l.c.l., dlvd., Ariz., etc....lb. .06½- —
other points.....lb. .06¼- —
in oil, 100-lb. kgs., consumers, lb. .11¼- —
dealers .....lb. .09¾- —
painters .....lb. .10¼- —
Lecithin, 100%, cns., f.o.b., N. Y., or Chi....lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dms., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis, lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grades 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½

Lecithin—Musk

Lecithin, tech., grade 4, dms., c.l., same basis..lb. .40 - —
l.c.l., same basis.....lb. .42½- .60

Lecithin prices quoted above are for goods packed in 25, 50, or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.

Lemon peel, bls.....lb. .09 - .10

Licorice extract, mass, cs.....lb. .17 - .18
powd., bbls.....lb. .24 - .25
Root, bls.....lb. .04½- .05
powd., bbls., bxs.....lb. .07 - .08
select, bndls., cs.....lb. .16 - .17

Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
California, northern..ton.11.80 - —
southern .....ton.11.45 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Chicago .....ton. 7.25 - —
Crab Orchard, Tenn.ton. 6.25 - —
Dallas, Texas.....ton. 8.50 - —
Durbin, Ohio.....ton. 6.50 - —
Eagle Mountain, Va.ton. 7.00 - —
Easton, La. .....ton. 8.00 - —
Farnams, Mass. ....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn. ....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Marble Cliff, Ohio...ton. 6.50 - —
Marblehead, Ohio....ton. 7.50 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Oranda, Va.....ton. 7.00 - —
Potoskey, Mich.....ton. 8.00 - —
Port Island, Mich....ton. 7.50 - —
Ripplemead, Va. ....ton. 7.00 - —
Riverton, Va. .....ton. 7.00 - —
Scioto, Ohio.....ton. 6.00 - —
Sheboygan, Wis.....ton. 7.00 - —
Sherwood, Wis.....ton. 7.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —

hydrated, paper bgs., Bellefonte.
Pa..ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo .....ton.10.00 - —
California, northern.ton.15.30 - —
southern .....ton.13.95 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa...ton. 8.00 - —
Chicago .....ton. 9.50 - —
Crab Orchard, Tenn.ton. 9.00 - —
Dallas, Tex.....ton.12.00 - —
Durbin, Ohio.....ton. 8.00 - —
Eagle Mountain, Va.ton. 9.00 - —
Easton, La. .....ton.10.00 - —
Farnams, Mass. ....ton. 9.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.50 - —
Marble Cliff, Ohio...ton. 8.00 - —
Marblehead, Ohio....ton. 8.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Milltown, Ind.....ton.12.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Oranda, Va.....ton. 8.50 - —
Pelham, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va. ....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Wis. .....ton. 9.00 - —
Siluria, Ala. .....ton. 9.00 - —
Springfield, Mo. ....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —

spray, paper bags., f.o.b. Bellefonte, Pa..ton. 9.50 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton.10.00 - —
Gibsonburg, Ohio.....ton.11.00 - —
Marble Cliff, Ohio....ton.11.00 - —
Marblehead, Ohio....ton.11.00 - —
Oranda, Va.....ton. 9.00 - —
Scioto, Ohio.....ton.10.00 - —
Sherwood, Wis.....ton. 9.50 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —

Lime salts (see Calcium)

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, zone 1, dms., consumer, gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .15
Zone 3, tanks, dealers, dlvd., gal. .11½- —
30-50 dms.....gal. .14 - .18
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., c.l. and l.c.l.....gal. .13 - .14
Zone 5, tanks, dealers, dlvd., gal. .10½- —
c.l. and l.c.l.....gal. .13 - .14
Zone 6, tanks, dealers.....gal. .07¼- —
30-50 dms.....gal. .09 - .13

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn., west of Tenn. River; Penna., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes, and Rockingham.

Linalool, cns.....lb. 2.10 - 6.30
Linalyl acetate, cns., 25 lbs...lb. 1.35 - 2.25
Linden flowers, with leaves, bls.lb. .23 - .25
without leaves, bls.....lb. .16 - .17
Linseed cake, bgs., export....ton.30.00 - —
Meal, 34%, dom., bgs.....ton.42.00 - —
Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0665- —
dlvd., other points....lb. .0640- —
Litharge, coml., powd., bbls., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.....lb. .07 - —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .07½- —
Colo., Mont., N. Mex., Wyo..lb. .07 - —
other points .....lb. .06¾- —
smaller lots, dlvd., Ala., etc. lb. .07½- —
Ariz., etc. .....lb. .08 - —
Colo., etc. .....lb. .07¾- —
other points .....lb. .07¼- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb., bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Lithopone, dom., high-strength, bgs., 20 tons, dlvd., E. or ex wise, Pac. Cst.....lb. .05¾- —
smaller lots, same basis..lb. .05¾- —
bbls., 20 tons, same basis, lb. .05¾- —
smaller lots, same basis.lb. .06¼- —
ordinary, bgs., 20 tons, same basis..lb. .04½- —
smaller lots, same basis.lb. .04¾- —
bbls., 20 tons, same basis, lb. .04¾- —
smaller lots, same basis.lb. .04¾- —
titanated, bgs., 20 tons, same basis..lb. .05¾- —
smaller lots, same basis.lb. .05¾- —
bbls., 20 tons, same basis, lb. .05¾- —
smaller lots, same basis.lb. .06¼- —
Liverwort leaves bls.....lb. .18 - .19
Lobelia herb, bls.....lb. .13 - .14
Seed, bgs. .....lb. .40 - .45
Logwood extract, cryst., bbls..lb. .18 - .24
liquid, 51°, bbls.....lb. .09½- .11½
solid, bxs.....lb. .15 - .19
Lovage root, dom., bls.....lb. .55 - .65
Import, bls. .....lb. .35 - .37
Lupulin, N.E., tins.....lb. 1.15 - 1.50
Lycopodium, cs. .....lb. 1.05 - 1.10

M

Mace, Banda, cs.....lb. .54½- .55
Batavia, cs.....lb. .42½- .43
Siauw, 1, cs.....lb. .47 - .48
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia arsenate, cyl.....lb. .18 - .20
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06¼- —
l.c.l. .....lb. .07 - —
bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - —
kgs., c.l.....lb. .08¾- —
l.c.l. .....lb. .09¼- —
USP, Zone 1, bbls., c.l.....lb. .08¼- —
l.c.l. .....lb. .09 - —
kgs., c.l.....lb. .09¾- —
l.c.l. .....lb. .10¼- —
Magnesia:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del., and Md. Zone 2, balance of U. S. C.l., shipm'ts, full fr't alld, up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts, frt. alld. including dlvd. store-door. Magnesia prices are f.o.b., Plymouth meeting house.

Chloride, flake, dom., bbls., works..ton.39.00 -42.00
Hypophosphite, cns., 100 lbs.lb. 1.45 - —
25 lbs. .....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls. .....lb. .33 Nom.
Peroxide, 15%, dms., works.lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .09½- .10½
Stearate, bbls., ctns., c.l.....lb. .21 - —
1 ton .....lb. .22 - —
1,000-2,000 lbs. .....lb. .23 - —
smaller lots .....lb. .24 - —
Sulphate (see Epsom salt).
Magnesite, cal., dom., bgs....ton.56.00 -60.00
import, bbls.....ton.60.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash....ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots..lb. .53 - —
100-lb. lots .....lb. .55 - —
cns., ...lb. .75 - .80
Malva flowers, black, bls.....lb. .45 - .47
blue, bls. .....lb. .45 - .50
Leaves, bls. .....lb. .11 - .12
Manaca root, bls. .....lb. .20 - .21
Mandrake root, bls.....lb. .10½- .11
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs. .....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls. .....lb. .19 - —
Chloride, bbls. .....lb. .07½- .07¾
Dioxide, Caucasian, 85-90%, bbls., c.l., works..ton.61.50 - —
l.c.l., 5 tons, works..ton.64.50 - —
smaller lots, works..ton.69.50 - —
burlap bgs., c.l., works.ton.59.50 - —
l.c.l., 5 tons, works..ton.62.50 - —
smaller lots, works.ton.67.50 - —
paper bgs., c.l., works.ton.57.50 - —
l.c.l., 5 tons, works.ton.60.50 - —
84-87% bgs., 28-40 tons, wks. ton.57.00 - —
5-15 tons, wks.....ton.60.00 - —
½-4 tons, wks.....ton.65.00 - —
300-600 lbs., wks....ton.75.00 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots ....lb. 2.01 - —
smaller lots .....lb. 2.71 - —
cns., 25 lbs. .....lb. 2.83 - —
solut., djns., 1,000-lb. lots, lb. .61 - —
smaller lots .....lb. .71 - —
cns., 25 lbs. .....lb. .81 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.45 - —
jars, 25 lbs. .....lb. 5.30 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls..lb. .19 - —
Ore, 50-52% basis, bbls., c.l., Atl. ports..unit-ton.45.00 -47.00
Resinate, fused, 3½%, bbls..lb. .08¼- .08½
precip., dms. .....lb. .12 - —
Sulphate, anhyd., bbls., works, lb. .07 - .07½
cryst., 65% $MnSO_4$, bgs., c.l., dlvd. South..ton.48.75 - —
l.c.l., bgs. .....ton.55.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory, unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .03½- —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shipt..ton.24.50 - —
Manna flake, large, cs.....lb. .40 - .41
small, cs.....lb. .22 - .23
Mannitol, reagent, pure cryst., cs., works..lb. 1.30 - —
commercial, cryst., bbl., ton lots..lb. .55 - —
smaller lots.....lb. .70 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bbls.....ton. .15½- .16
Tunisan, bls.....lb. .15 - .15½
Matico leaves, bls.....lb. .24 - .25
Menthol, USP, natural, cs....lb. 3.25 - 3.35
synthetic, tech., cs.....lb. 2.25 - —
USP, cs. .....lb. 3.00 - —
liquid, dms., 50 lbs.....lb. 1.25 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots .....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs. .....lb. .77 - —
25 lbs. .....lb. .79 - —
50%, pails, 50 lbs.....lb. 1.11 - —
25 lbs. .....lb. 1.13 - —
Mercury (see Quicksilver).
Bichloride (see Corrosive sublimate).
Bisulphate, bots., 5 lbs.....lb. 1.81 - —
fib. dms., 100 lbs.....lb. 1.68 - —
jars, 25 lbs .....lb. 1.70 - —
Chloride (see Calomel).
Iodide, red N. F., bots., 5 lbs., lb. 3.55 - —
cns., 25 lbs.....lb. 3.60 - —
fib. dms., 100 lbs.....lb. 3.60 - —
yellow, bots., 5 lbs.....lb. 3.80 - —
cns., 25 lbs.....lb. 3.65 - —
fib., dms., 100 lbs.....lb. 3.65 - —
Nitrate ointment (see Citrine ointment).
Mercury, oxide red, N.F. (see red precipitate).
tech. (See Red, mercury oxide).
Yellow, dom., tech., bbl....lb. 1.21 - —
USP, fib. dms., 50 lbs. or more..lb. 1.78 - —
Mercury and chalk, ctns., 5 lbs., lb. 1.22 - —
fib., dms., 25 lbs.....lb. 1.10 - 1.12
Mesityl oxide, cns., works.....lb. .25½- .27½
dms., c.l., works.....lb. .21 - —
l.c.l., works.....lb. .21½- —
tanks, works.....lb. .20 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½in...pkg. 1.70 - 1.80
Gold, XX deep, 23K, 3⅜x3⅜ in..pkg.15.25 -15.75
3⅜x3⅜ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅜x5⅞ in.....pkg.22.50 -23.00
3⅜x5⅞ in.....pkg.24.50 -25.00
Silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanilic acid, bgs.....lb. .67 Nom.
Metanilic acid, bgs.....lb. .67 Nom.
Metanilic acid, bgs.....lb. .67 Nom.

Musk root, bls.....lb. .12 - .13
Mustard seed, Bombay, brown, bgs..lb. .04½- .05
California, brown, bgs...lb. .07¼- .07½
Chinese, yellow, bgs.....lb. .05¾- .06¾
Danish, yellow, bgs.....lb. .08 - .08½
Dutch, yellow, bgs.....lb. .07¾- .08
English, yellow, bgs.....lb. .09 - .09½
Hungarian, yellow, bgs....lb. .07¾- .08¼
Roumanian, yellow, bgs....lb. .06 - .06½
Myrobalans, JI, bgs., shipt...ton.27.50 - —
J2, bgs., shipt.....ton.19.00 - —
R2, bgs., shipt.....ton.17.00 - —
Extract, liquid, 25%, bbls....lb. .03¾- .05¼
solid, 50% bbls.....lb. .04¾- —
powdered, 70% bbls.....lb. .05¾- —

N

Naphtha, Painters' (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., bbls., wks., 100 lbs. 2.35 - 2.85
78 deb., bgs., bbls., wks., 100 lbs. 2.75 - 3.35
Import, bgs., Atl. ports..100 lbs. 1.60 - 2.15
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works.....lb. .06¾- —
50-lb. cs., same basis..lb. .07 - —
pkgs. (16 oz.), same basis, lb. .07¼- —
(12 oz.) same basis..pkg. .06 - —
chipped, crushed, bbls., same basis..lb. .06½- —
rice, cryst., powd., bbls., same basis..lb. .06¾- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls .....lb. .36 - .37½
Chloride, bbls. .....lb. .18 - .20
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls. .....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld.lb. .70 - —
10-lb, tins .....lb. .86½- —
Nitersake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ¼ and 40. sec. vis., bbls., works..lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works..lb. .32 - —
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls., lb. .26 - —
ester-soluble, lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitrogen solution, 45½% ammon., tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.00 - —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., dlvd.....unit-ton. No prices.
Chemical, Ill.....unit-ton. 2.35 - 2.45
East Coast producing points..unit-ton. 2.65 - 2.75
Import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. 2.65 - 2.70
Nitronaphthalene, bbls.....lb. .24 - .26
Nutgalls, Aleppo, bgs., cs.....lb. No prices
Chinese, shipt., cs.....lb. No prices
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .49 - .50
110s, bgs., cs.....lb. .19 - .19½
West Indian, bgs.....lb. .10¾- .11
Nux vomica, bls.....lb. .03¾- .04
powd., bbls., bxs.....lb. .06 - .07

O

Oakbark extract, 25% tan., bbls., c.l. wks..lb. .03¼- —
l.c.l., bbls., wks.....lb. .03⅜- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octanes, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10½- —
Octyl acetate, dms., c.l., works.lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.00 - 2.50
a.p.a., bots.....lb. 2.05 - 2.75
sweet, true, exp., cns.....lb. .65 - .68
Amber, crude, cns.....lb. .16 - .17
ref'd, cns.....lb. .50 - .51
Amyris, cns.....lb 3.00 - 3.25
Angelica root, bots.....lb.61.25 -100.00
seed, bots.....lb.70.00 -80.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .78 - .80
Apricot kernel, cns.....lb. .28 - .32
Babassu, tanks .....lb. .06⅝ Nom.
Bay, W. I., cns.....lb. 1.35 - 1.50
Bergamot, artif., cns.....lb. 1.25 - 1.35
natural, coppers .....lb. 3.90 - 4.00
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birch tar, crude, dms.....lb. .16 - .17
rectified, cns. .....lb. .65 - .70
Bois de rose, Brazil, cns....lb. 1.55 - 1.60
Cayenne, cns.....lb. 1.50 - 1.75
Cade, USP IX (see Oil, juniper tar)
Cajeput, tech., dms.....lb. .42 - .45
USP IX, cns. .....lb. .48 - .50
Calamus, cns. .....lb. 3.60 - 4.25
Camphor, sassafrassy, cns....lb. .19 - .20
dms. .....lb. .17 - .18
white, cns.....lb. .20 - .21
dms. .....lb. .17 - .18
Cananga, native, cns.....lb. 1.25 - 1.30
rectified, cns. .....lb. 1.80 - 1.85
Capsicum (oleoresin), USP X, cns..lb. 1.90 - 2.00
Caraway, USP, cns.....lb. 1.90 - 2.00
Cardamom, bots. .....lb.15.00 -33.00
Cassia, USP, cns., dms.....lb. .95 - 1.00
Castor, blown, one-way dms., c.l..lb. .11¼- —
l.c.l. .....lb. .12 - —
Medicinal, bbls., c.l.....lb. .09¾- —
l.c.l. .....lb. .10½- —
cns. (1-gal.). l.c.l.....lb. .13½- —
dms. (returnable), c.l. ..lb. .09½- —
l.c.l. .....lb. .10¼- —
(5-gal.), l.c.l. .....lb. .11¼- —
tanks .....lb. .09 - —
No. 3, bbls., c.l.....lb. .09¼- —
l.c.l. .....lb. .10 - —
dms. (returnable), c.l....lb. .09 - —
l.c.l. .....lb. .09¾- —
tanks .....lb. .08½- —
Castor oil, med. and No. 3 prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ⅝c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way dms., ½c. higher, all points.
sulphonated, 50% (48% fat), dms., c.l..lb. .06¼- .06¾
l.c.l. .....lb. .07¼- .08¾
Oil, castor, sulphonated, 75% (63% fat), dms., c.l.....lb. .09 - .09½
l.c.l. .....lb. .10 - .10⅝
80% (68% fat), dms., c.l..lb. .09½- .10⅛
l.c.l .....lb. .10⅝- .11
Cedarleaf, cns. .....lb. .63 - .68
dms. .....lb. .60 - .65
Cedarwood, Oregon, cns., dms. lb. .28 - .30
Southern, cns., dms.....lb. .20 - .23
Celery, bots.....lb. 7.50 -14.50
Chaulmoogra, USP, cns., 500 lbs lb. .90 - —
25 lbs. .....lb. 1.00 - —
Chinawood, dms.....lb. .13¾ Nom.
tanks .....lb. .1300- .1320
Cinnamon, Ceylon, bots.....lb. 8.00 -22.00
Seychelle, bots. .....lb. 6.50 - 7.50
Citronella, Ceylon, cns.....lb. .35 - .35½
dms. .....lb. .33½- .34
Java, dms.....lb. .38 - .40
Clove, makers, USP, cns.....lb. .98 - —
dms. .....lb. .95 - —
Coconut, Manila, crude, tanks.lb. .03¼- —
Pac. Cst. .....lb. .03 - —
edible, 76°, tax incl., dms., (returnable), c.l..lb. .09 - —
l.c.l. .....lb. .09¼- —
tanks .....lb. .08¼- —
Cod, Newfoundland, shipt., tanked, bbls..gal. .38 Nom.
Norwegian, shipt., bbls...gal. .27 - .29
Codliver, med., U.S.P., Norwegian, bbls..bbl.26.00 - 27.00
Coriander, bots. .....lb.18.00 -20.00
Corn, crude, tanks, works...lb. .08¼- .08⅝
refd., bbls.....lb. .10¼- .10½
Cottonseed, dom., cooking, bbls..lb. .10 - —
salad, bbls.....lb. .10¼- —
import, Brazilian, semi-refd., dms..lb. .0475- —
Creosote (see C).
Croton, USP, cns.....lb. 1.30 - 1.35
Oil, cubeb, USP, cns.....lb. 2.50 - 2.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 6.75 - 7.00
Cypress, dom., bots.....lb. 5.25 - 5.30
import., cns.....lb.12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 1.75 - —
California, 24 plus, bulk..bbl. 1.55 - —
Dill seed, bots.....lb. 3.00 - 3.25
weed, bots.....lb. 3.85 - 4.10
Dip (see D).
Erigeron, cns.....lb. 2.40 - 2.55
Eucalyptus, cns.....lb. .35 - .37
dms. .....lb. .33 - .35
Fennel, sweet, cns .....lb. 1.10 - 1.15
Fuel, bunker, California, tide-water..bbl. .90 - —
Gulf Coast.....bbl. .85 - .90
Louisiana, Arkansas, 10-14, bbl. .85 - 1.00
N. Y. and N. J. terminals:—
Monday .....bbl. .95 - —
Tuesday .....bbl. .95 - —
Wednesday .....bbl. .95 - —
Thursday .....bbl. .95 - —
Friday .....bbl. .95 - —
Saturday .....bbl. .95 - —
North Texas, 18-22.....bbl. .80 - .85
24-28, zero cold test.....bbl. 1.10 - 1.15
Oklahoma, 18-22.....bbl. .85 - .90
24-28, zero cold test.....bbl. 1.07½- 1.12½
24-28, 15 and above.....bbl. .90 - .93
Pennsylvania, 36-40.....gal. .04 - .04½
Furnace, Bayonne, 1, bulk, refinery..gal. .06 - —
2, bulk, same basis.....gal. .04½- —
4, bulk, same basis.....gal. .04⅜- —
Louisiana - Arkansas, 32 - 36, light straw..gal. .03¾- .04
Oklahoma, 28-30.....gal. .03¼- .03½
32-36 .....gal. .03½- .03¾
36-38 .....gal. .03⅝- .03⅞
38-40, straw.....gal. .03¾- .04
38-40 zero, 60 e.p.....gal. .03¾- .04
Fusel (see F).

Musk Rt.—Oil, Lavender

Oil, gas, Bayonne, bulk.....gal. .04¾- —
Gulf Coast, bulk.....gal. .04½- .04¼
North Texas, bulk.....gal. .02⅞- .03
Oklahoma, bulk.....gal. .02¾- .03
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns.lb. 3.25 - 4.50
Bourbon, cns.....lb. 2.65 - 3.00
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 2.15 - 2.20
Grapeseed, dms.....lb. .40 - .60
Ginger, dist., bots.....lb. 5.75 - 6.00
Guaiac wood, concrete, bots.lb. 2.75 - 3.10
Haarlem, import., bots....gross 3.25 - 3.35
Halibut-liver, dms..... 1,000 A unit gal. .75 - 1.00
Hemlock, cns.....lb. .75 - 1.00
Juniper berry, USP, cns.....lb. 1.10 - 1.30
Wood, tech., cns.....lb. .45 - —
Juniper tar, USP XI, 1,000 lb. dms..lb. .39 - .40
cns. .....lb. .44 - .45
Lard, common, 1, bbls.....lb. .08¾- —
2, bbls. .....lb. .08½- —
extra, bbls.....lb. .09¼- —
1, bbls.....lb. .09 - —
winter, strained, extra, bbls., lb. .09½- —
prime burning, bbls.....lb. .10¼- —
prime, ed., bbls.....lb. .11¾- —
ined., bbls. .....lb. .09¼- —
Laurel, bots.....lb. 6.25 - 6.50
Lavandin, cns., 25 lbs.....lb. 2.00 - 2.05
Lavender flower, French, 50% ester, cns..lb. 4.75 - 5.00
38-42% ester, cns.....lb. 3.25 - 4.25
35-38% ester, cns.....lb. 2.75 - 3.00
30-32% ester, cns.....lb. 2.00 - 2.25
garden, cns. .....lb. .42 - .45
spike, Spanish, tech., cns..lb. 1.05 - 1.10
dms. .....lb. .95 - 1.10

RESIN AND LACQUER PRODUCERS

....Improve your Resins by using "NATIONAL ANILINE"

TOXILIC (MALEIC) ANHYDRIDE

A uniform, white, chemically pure product of increasing importance as a raw material to producers of *quality resins and plasticizers.*

CHEMICAL SPECIFICATIONS

Molecular Weight 98
Density . . . . . 1.42 at 28° C
Melting point . . . . . 52.6° C
Boiling point . . . . . 202° C
Solubility—Readily soluble in benzene, hydrocarbons, acetone, ethyl ether and chloroform.

PHTHALIC ANHYDRIDE

A standardized, pure white, flake product from production sources adequate to meet your every demand.

OTHER RELATED CHEMICALS

In addition, the following chemicals are now available in commercial quantities.

Succinic Acid and Anhydride • Malic Acid • Fumaric Acid • Toxilic (Maleic) Acid.

NATIONAL ANILINE AND CHEMICAL COMPANY, INC.
Intermediates Division
40 RECTOR STREET
BOwling Green 9-2240
NEW YORK, N. Y.

BOSTON . . 150 Causeway St.
PROVIDENCE . 15 Westminster St.
CHICAGO . . . 357 W. Erie St.
PHILADELPHIA 200-204 S. Front St.
SAN FRANCISCO . . 517 Howard St.
CHARLOTTE . . 201-203 W. First St.
GREENSBORO Jefferson Standard Bldg.
ATLANTA . . . 140 Peachtree St.
CHATTANOOGA . . James Bldg.
PORTLAND, ORE. 646 N. Thompson St.
TORONTO 137-145 Wellington St., W.

BRANCHES AND DISTRIBUTORS THROUGHOUT THE WORLD

NATIONAL QUALITY

Oil, Lemon—Petrol. Naphtha

Oil, lemon, Calif., cns.....lb. 2.50 - —
Messina, coppers, cns.....lb. 3.15 - 4.00
Lemongrass, native, cns., dms., lb. .38 - .40
Lime, dist., cns.....lb. 4.25 - 4.75
expressed, cns.....lb. 7.50 - 8.50
Linaloe wood, cns.....lb. 1.25 - 1.30
Linseed, boiled, bbls., c.l....lb. .0880- —
l.c.l., 5 or more.....lb. .0920- —
less than 5.....lb. .0960- —
tanks .....lb. .0820- —
double boiled, bbls., less than 5 lbs..lb. .0980- —
raw, bbls., c.l.....lb. .0840- —
l.c.l., 5 or more.....lb. .0880- —
less than 5.....lb. .0920- —
tanks .....lb. .0780- —
Lovage, bots.....lb. 41.25 -60.00
Lubricating, at refinery (including U.S. tax 4c. per gal.):—
California, green, 70, 80, 100, vis., dms..gal. .20 - —
140 vis., dms.....gal. .25 - —
green, pale, 750, 900 vis., dms. gal. .26 - —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis., dms..gal. .28 - —
Oklahoma, bright stocks. 100-110 D, color 4, 0-10 pour, tanks..gal. .18½- —
15-25 pour, tanks.gal. .17½- —
150-160 D, color, 4½, 0-10 pour, tanks..gal. .20 - —
15-25 pour, tanks.gal. .19 - —
150-160 E, color 5½, 15-25 pour, tanks..gal. .18½- —
190-200 D, color 4¼, 15-25 pour, tanks..gal. .23 - —
200-210 E, 15-25 pour, tanks..gal. .22 - —
neutrals, 0-10 pour, 150 vis., 3 color, tanks... gal. .13 - —
180 vis., 3 color, tanks, gal. .14 - —
4 color, tanks....gal. .13½- —
200 vis., 3 color, tanks. gal. .14½- —
4 color, tanks....gal. .14 - —
250 vis., 3 color, tanks. gal. .15½- —
4 color, tanks....gal. .13 - —
280 vis., 3 color, tanks. gal. .16½- —
4 color, tanks....gal. .16 - —
300 vis., 3½ color, tanks, gal. .17 - —
350 vis., same basis.gal. .17½- —
400 vis., same basis.gal. .18 - —
500 vis., same basis.gal. .18½- —
600 vis., same basis.gal. .19 - —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.
Penn., bright, 600 cold test, 10-15 pour, tanks..gal. .17½- —
cylinder, 600 fire, tanks, gal. .11¼- —
600 flash, tanks.....gal. .14 - —
630 flash, tanks.....gal. .17 - —
625 fire, tanks.....gal. .12½- —
650 fire, tanks.....gal. .13¼- —
Warren, E, amber, tanks, gal. .15 - —
neutral, 150 vis., 3 color, tanks..gal. .16½- —
180 vis.,3 color,tanks..gal. .16½- —
200 vis.,2 color,tanks..gal. .17 - —
spot, Penna., bright, bbls., c.l., f.a.s..gal. .27 - .28
unfiltered, 600 s.r....bbls., f.a.s..gal. .21 - —
600 flash, s.r., bbls., c.l., gal. .23½- —
630 s.r., bbls., c.l., f.a.s. gal. .25 - —
Warren, E, bbls., c.l., f.a.s. gal. .24¼- —
smaller lots, f.o.b..gal. .26½- —
Mace, dist., cns., dms.....lb. 1.20 - 1.25
Mandarin, superior, coppers..lb. 6.00 - 7.50
Menhaden, crude, tanks, f.o.b. Balto..gal. .30 - —
refd., alkali, dms.....lb. .0750- .0770
tanks .....lb. .0690- —
blown, dms.....lb. .0750- .0770
kettle-bodied, dms.....lb. .0840- .0860
light, pressed, dms.....lb. .0690- .0710
tanks .....lb. .0830- —
Mineral, white (see Oil- white mineral).
Mustard, artif., USP, cns....lb. 1.65 - 1.70
dist., natural, bots.....lb. 8.50 - 9.00
expressed, bbls.....gal. .65½- .70
Neatsfoot, 20° cold test, bbls., lb. .15¼- —
extra, bbls.....lb. .09¼- —
1, bbls.....lb. .09 - —
pure, bbls.....lb. .11¾- —
prime, bbls. .....lb. .09¾- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots.....lb. 115.00- 140.00
Nutmeg, USP, cns., dms....lb. 1.20 - 1.25
Oiticica, dms. .....lb. .11 - .11¼
Oleo, 1, bbls. .....lb. .09¾- —
2 bbls.....lb. .09¼- —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., bbls.....gal. .94 - .98
edible, bbls.....gal. 1.75 - 2.00
foots, bbls.....lb. .07¾- .07¾
sulphonated, 50% (43% fat), dms., c.l..lb. .11½- .12
l.c.l. .....lb. .12½- .13
75% (63% fat), dms., c.l..lb. .13½- .14
l.c.l. .....lb. .14½- .15
80% (68% fat), dms., c.l..lb. .14½- .15
l.c.l. .....lb. .15½- .16
Orange sweet, dist., cs.....lb. .50 - —
expressed, Africa n, cns., dms...lb. .90 - 1.00
Calif., cns.....lb. .75 - —
Messina, USP, coppers.lb. 2.25 - 3.25
West India, cns.....lb. 1.90 - 2.00
Origanum, Spanish, cns.....lb. .90 - 1.60
Orris, Florentine, concrete, extra strong bots..oz. 5.25 - 5.50
Palm, Niger, dms.....lb. .0360- .0370
shipment .....lb. .0290- —
softs, 12½%, bulk, shipt....lb. .0290- —
20%, bulk, shipt.....lb. .0280- —
Sumatra, shipt., bulk.....lb. .0300 Nom.
Palmarosa, cns.....lb. 2.00 - 2.25
Palmkernel, bulk, shipt.....lb. .0365 Nom.
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¼- —
330° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots., cns.....lb. 3.75 - 8.00
Peanut, crude, dom., tanks..lb. .07¾ Nom.
refd., edible, bbls.....lb. .10½- .10¾
Pennyroyal, dom., cns.....lb. 1.40 - 1.45
import, cns. .....lb. 1.35 - 1.40
Peppermint, natural, cns., dms., lb. 2.30 - 2.55
redist., USP, cns., dms....lb. 2.55 - 2.80
Perilla, dms. .....lb. .10¾- .10¾
tanks .....lb. .1000- .1020
Petitgrain, Paraguay, cns....lb. .90 - 1.00
Pimento berry, cns.....lb. 3.65 - 7.50
leaf, cns. .....lb. 2.30 - 2.40
Pine, dest.-dist., straw-color, dms., dlvd., E. ports...gal. .52 - .55
steam-dist., dms.....gal. .59 - —
tanks .....gal. .54 - —
Oil, pineneedle, Siberian, cns..lb. .95 - 1.00
Putty, bbls., El Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Bost., Provid..gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .28 - —
Martines, Cal.....gal. .28 - —
Rapeseed, blown, bbls.....lb. .14 - .14½
denat., bbls.....gal. .75 - .80
Red, dist. or saponif, bbls., dlvd..lb. .08⅝ Nom.
dms., dlvd.....lb. .08¾ Nom.
tanks, dlvd.....lb. .07½ Nom.
white, dms.....lb. .11¼ Nom.
Rose, artif., bots.....oz. 2.00 - 8.00
natural, coppers.....oz. 5.25 - 22.50
Rosemary, Spanish, cns.....lb. .56 - .75
dms. .....lb. .51 - .70
Rosin, 1st rectfd., dms.....gal. .45 - —
2d rectfd., dms.....gal. .47 - —
3d rectfd., dms.....gal. .51 - —
Rue, bots.....lb. 2.15 - 2.20
Sage, cns. .....lb. 1.30 -35.00
Sandalwood, E.I., USP, cns..lb. 4.75 - 4.80
Sardine, crude, tanks, Pac. Cst. gal. .30 Nom.
refd., alkali, dms.....lb. .0750- .0770
tanks .....lb. .0690- —
kettle-bodied, dms.....lb. .0840- .0860
light, pressed, dms.....lb. .0690- .0770
tanks .....lb. .0630- —
Sassafras, artif., cns.....lb. .36 - .37
dms. .....lb. .34 - .35
natural, cns., dms.....lb. 1.00 - 1.05
Savin, cns.....lb. 1.65 - 1.70
savory, cns.....lb. 2.00 - 2.25
Sesame, refd., dms.....lb. .10½ Nom.
Shingle stain, bbls., c.l., wks. gal. .18 - —
l.c.l., works.....gal. .21 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 9.50 -10.00
Soybean, dom., crude, dms..lb. .0730- .0770
tanks .....lb. .0670- —
refd., dms.....lb. .0830- .0870
tanks .....lb. .0720- .0770
Spearmint, USP, cns.....lb. 1.70 - 1.75
Sperm, bleach, 38°, dms.....lb. .1000- .1020
45°, dms. .....lb. .0930- .0950
natural, dms.....lb. .0880- .0900
Spruce, cns., dms.....lb. .75 - 1.00
Sweet, birch, North, cns....lb. 2.25 - 3.50
South, cns.....lb. 1.65 - 2.00
Tali, crude, dms., c.l., works, ton. 45.00 - —
l.c.l., works.....ton. 50.00 -65.00
tanks, works.....ton. 35.00 - —
refined, dms., c.l., works...lb. .05¼- —
l.c.l., works.....lb. .06 - —
tanks, works.....lb. .05 - —
Tallow, acidless, bbls.....lb. .08½- —
tanks .....lb. .08 - —
Tansy, cns.....lb. 5.50 - 5.75
Tar, comi, dms., c.l., dlvd., E. cities..gal. .26 - —
E. ports.....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities...gal. .20 - —
rectfd., USP, bbls., dlvd., E. ports..gal. .50 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .08 - .08½
Tea Tree (see Oil, ti tree).
Thyme, NF, red, dms.....lb. .85 - 1.25
white, dms. .....lb. .85 - 1.45
Ti tree, cns.....lb. 3.10 - 3.50
Tung (see Oil, chinawood).
Turkey red (see Oil, castor, sulphonated).
Turpentine (see T).
Turtle, cns. .....gal. 4.25 - 5.00
Valerian, bots. .....lb. 8.00 - 8.25
Vetiver, bots. .....lb. 4.35 -16.50
Walnut, crude, dms.....lb. .13 - .13½
refd., dms. .....lb. .14 - .14½
Whale, refd., natural, dms...lb. .0830- .0850
winter, bleach, dms.....lb. .0870- .0890
Wheat germ, phar., cns., dms. gal. 22.50 -30.00
feedstuff, cns., dms.....gal. 17.50 -25.00
White, mineral, doms., tech., 50-60 vis., dms.....gal. .42 - —
65-75 vis., dms.....gal. .44 - —
80-90 vis., dms.....gal. .45 - —
USP, 80-90 vis., dms....gal. .49 - —
95-105 vis., dms.....gal. .57 - —
125-135 vis., dms.....gal. .64½- —
140-150 vis., dms.....gal. .68 - —
175-185 vis., dms.....gal. .72½- —
200-210 vis., dms.....gal. .74½- —
320-330 vis., dms.....gal. .80½- —
335-345 vis., dms.....gal. .82 - —
Russian, 80-90 vis., dms.gal. .49 - —
145-155 vis., dms.....gal. .68 - —
175-185 vis., dms.....gal. .72½- —
235-345 vis., dms.....gal. .82 - —
Wintergreen, natural, North. cns...lb. 4.00 - 8.00
South, cns.....lb. 3.05 - 3.75
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.60 - 2.65
Wormwood, cns.....lb. 2.75 - 3.25
Ylang-ylang, Bourb., bots., cns., lb. 3.50 - 6.00
Manila, bots. .....lb. 18.00 -24.00
Olivine, aggregate, c.l., mines. ton. 5.00 - 8.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
Ground, 200 mesh, c.l., mines. ton. 15.00 - —
20 mesh to dust.....ton. 10.00 - —
Opium, USP, cns.....lb. 11.50 -12.50
gran., cns. .....lb. 12.50 -13.50
powd., cns. .....lb. 12.50 -13.50
Orange, Lake, Persian, bbls...lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash....lb. .10½- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .11 - —
Colo., Mont., N. M., Wyo..lb. .10¾- —
Other points .....lb. .10¼- —
smaller lots, dlvd., Ala., etc..lb. .11 - —
Ariz., etc. .....lb. .11½- —
Colo., Mont., N. M., Wyo..lb. .11¼- —
Other points .....lb. .10¾- —
French, Tours, csks, ex dock. lb. .13½- —
kgs., ex dock.....lb. .14½- —
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....oz. .33 - .35
Orange peel, bitter, bls.....lb. .08 - .09
sweet, bls. .....lb. .09 - .10
Orris root, Florentine, bgs....lb. .10 - .11
fingers, cs.....lb. .90 - .95
powd., bbls., bxs.....lb. .12 - .13
Verona, bls.....lb. .09 - .10
powd., bxs., cs.....lb. .12 - .13
Orthoanisidin, bbls.....lb. .70 - .74
Orthochloroanilin, dms.....lb. .60 - .75
Orthochlorophenol, dms.....lb. .33 - —
Orthocresol, dms., c.l., works..lb. .16¼- —
l.c.l., same basis.....lb. .17¼- —
Orthodichlorobenzene, dms., c.l., works, frt. alld E. of Rockies..lb. .06 - —
l.c.l., same basis.....lb. .07 - —
100-lb. tins, same basis.lb. .08 - —
50-lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .03½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroanilin, dms.....lb. .55
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, dms.lb. .75 - —
Orthonitrotoluene, dms.....lb. .08 - —
Orthotoluenehydrochloride, dms.lb. .22 - —
Orthotoluene sulphonate, kgs..lb. 2.00 - 2.05
Orthotoluidin, dms.....lb. .16 - —
Osage orange extract, cryst., bbls., lb. .19 - —
liquid, 42°, bbls.....lb. .08 - —
51°, bbls.....lb. .09 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
ects., cns., 1-50 lbs.....lb. 3.65 - 4.00

P

Papain, powd., cs.....lb. 1.25 - 1.30
Paprika, Hungarian, extra fancy, bgs..lb. .28 - .29
medium, bgs.....lb. .27 - .28
Spanish, extra fancy, cs.....lb. .30 - .31
fair, bgs.....lb. .25½- .26
fancy, bgs.....lb. .30 Nom.
medium, bgs.....lb. .28 Nom.
Para-aminoacetanilide, kgs. ..lb. .85 Nom.
Parachlorophenol, dms. .....lb. .45 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms., c.l.lb. .11 - .12
l.c.l. .....lb. .12½- .15½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy..lb. .02¼- —
bbls., c.l., N. Y.....lb. .0230- —
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .02¼- —
bbls., c.l., N. Y.....lb. .0230- —
yellow, 124-126 A.m.p., bbls., c.l., N. Y..lb. .02¼ Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l..lb. .03¾- —
loose, c.l. .....lb. .0355- —
125-127 A.m.p., bgs., c.l...lb. .0390- —
loose, c.l. .....lb. .0370- —
128-130 A.m.p., bgs. or loose, c.l..lb. .04 - —
131-133 A.m.p., bgs. or loose, c.l..lb. .0435- —
133-135 A.m.p., bgs. or loose, c.l..lb. .0465- —
135-137 A.m.p., bgs. or loose, c.l..lb. .0490- —
138-140 A.m.p., bgs. or loose, c.l..lb. .0565- —
143-145 A.m.p., bgs. or loose, c.l..lb. .0660- —
151-153 A.m.p., bgs. or loose, c.l..lb. .08½- —
refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is .05c. lower.
match, A.m.p. up to and incl. 110-112 bbls., c.l..lb. .02½- .02¾
semirfd., solid, 122-124 A.m.p., bgs..lb. .02¼ Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C..lb. .34 - —
100 to 900 lbs. shipments, same basis..lb. .35 - —
Paraldehyde, tech., 99%, 55 and 100 gal. dms., dlvd..lb. .16 - —
5 and 10 gal. dms., dlvd., lb. .17 - —
USP, cs., cbys.....lb. .37 - .45
Paranitroanilin, kgs., works...lb. .47 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrophenol, kgs.....lb. .35 - —
Paranitrotoluene, kgs.....lb. .35 - —
Paraphenylenediamine, bbls....lb. 1.25 - 1.30
Paratoluenesulphronamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .56 - —
Pareira brava root, bls.....lb. .15 - .18
Paris green, dealer, dms., bbls., c.l., f.o.b. works frt. alld., lb. .23 - .25
less car lot, same basis.lb. .24 - .26
Passion flower herb, bls.....lb. .07 - .07½
Patchouli leaves, bls.....lb. .18 - .20
Pellitory root, bls.....lb. .16 - .17
Pennyroyal herb, bls.....lb. .07 - .08
leaves, bls.....lb. .14 - .15
Pentanes norm., 28-38°, dms., c.l., G.3..gal. .11½- —
l.c.l., G.3.....gal. .16 - —
tanks, G.3.....gal. .08½- —
laboratory grade, dms., c.l., G.3..gal. .14 - —
l.c.l., G.3.....gal. .25 - —
Pepper, black, Alleppy, bgs..lb. .08 - .08¼
Lampong, bgs. .....lb. .05½- .05½
Tellicherry, bgs.....lb. .08½- .09
Red, chillies, Japan, 1, bgs..lb. .20 - .20½
Mombassa, bgs.....lb. .21 Nom.
White, Java, Muntok, bgs...lb. .08¼- .08½
Salgon, bgs.....lb. .07⅞- .08
Peppermint leaves, dom., bls..lb. .25 - .27
import, bls.....lb. .45 - .48
Peru, balsam, dms.....lb. .65 - .70
Petrolatum, amber, bbls., c.l..lb. .02⅝- .02¾
l.c.l. .....lb. .03⅜- .03⅞
extra, bbls.....lb. .02⅝- .03
l.c.l. .....lb. .03⅞- .04½
cream (see white, cream).
green (see red).
red, veterinary, bbls., c.l....lb. .02½- —
white, cream, bbls., c.l.....lb. .04¼- —
l.c.l. .....lb. .05¾- .06¼
lily, bbls., c.l.....lb. .05¼- —
l.c.l. .....lb. .06¾- .07½
snow, bbls., c.l.....lb. .06¼- —
l.c.l. .....lb. .07⅝- .08½
Petroleum, crude, bulk, at wells:—
California:—
Alamitos Heights.....bbl. .74 - .95
Athens .....bbl. .84 - 1.66
Beldridge .....bbl. .70 - 1.32
Buena Vista Hills.....bbl. .70 - 1.38
Canal-Greely .....bbl. .91 - 1.68
Coalinga .....bbl. .70 - .90
Coyote Hills (West)...bbl. .78 - 1.32
Dominguez .....bbl. .79 - 1.00
East Coyote .....bbl. .76 - .96
Elk Hills .....bbl. .70 - 1.38
Elwood Terrace, f.o.b. ship., bbl. 1.28 - 1.43
El Segundo .....bbl. .80 - 1.21
Huntington Beach.....bbl. .78 - 1.22
Inglewood .....bbl. .79 - 1.27
Kern Front .....bbl. .70 - —
Kern River .....bbl. .70 - —
Kettleman Hills .....bbl. 1.19 - 1.43
La Habra .....bbl. .76 - .96
Lakeview .....bbl. .70 - 1.36
Lost Hills .....bbl. .70 - 1.18
McKittrick .....bbl. .70 - —
Midway - Sunset (except Lakeview)..bbl. .70 - 1.38
Montebello .....bbl. .77 - 1.43
Mt. Poso .....bbl. .70 - —
Mountain View .....bbl. .70 - 1.20
Newhall .....bbl. .70 - —
Orcutt .....bbl. .70 - .93
Olinda Brea .....bbl. .76 - 1.27
Playa del Rey, f.o b. pipeline .....bbl. .80 - 1.16
Richfield .....bbl. .76 - 1.09
Rosecrans .....bbl. .84 - 1.66
Round Mt.....bbl. .70 - —
Santa Fe Springs.....bbl. .78 - 1.42
Santa Paula.....bbl. .70 - 1.01
Seal Beach.....bbl. .79 - 1.19
Signal Hill.....bbl. .80 - 1.21
Torrence .....bbl. .80 - 1.05
Wheeler Ridge.....bbl. .70 - .83
Whittier .....bbl. .76 - .96
Wilmington .....bbl. .75 - 1.21
Canada:—
Oil Springs.....bbl. 2.17 - —
Petrolia .....bbl. 2.10 - —
Petroleum, crude, bulk, at wells:—
Central West:—
Illinois .....bbl. 1.35 - —
Lima .....bbl. 1.25 - —
Midland (Mich.).....bbl. 1.12 - —
Princeton .....bbl. 1.35 - —
East Texas.....bbl. 1.35 - —
Gulf Coast:—
Barber's Hill.....bbl. .95 - 1.41
Batson .....bbl. .95 - 1.41
Dayton .....bbl. .95 - 1.41
Esperson .....bbl. .95 - 1.41
Goose Creek.....bbl. .95 - 1.41
Hull .....bbl. .95 - 1.41
Humble .....bbl. .90 - 1.41
Liberty .....bbl. .90 - 1.41
Markham .....bbl. .90 - 1.29
Orange .....bbl. .95 - 1.41
Pettus .....bbl. 1.37 - —
Pierce Junction.....bbl. .95 - 1.41
Refugio (incl. Greta, Taft, Saxet)..bbl. 1.01 - 1.17
Saratoga .....bbl. .95 - 1.41
Sour Lake.....bbl. .90 - 1.41
Spindle Top.....bbl. .95 - 1.41
Sugarland .....bbl. .95 - 1.41
West Columbia.....bbl. .95 - 1.41
Kentucky, Tennessee:—
Big Sandy river.....bbl. 1.42 - —
Kentucky river.....bbl. 1.50 - —
Western Kentucky (Owensboro)..bbl. 1.30 - —
Louisiana, Arkansas:—
Bull Bayou.....bbl. .90 - 1.22
Caddo .....bbl. .90 - 1.22
Cameron Meadows.....bbl. .90 - 1.30
Choctaw .....bbl. .90 - 1.30
Cotton Valley.....bbl. .90 - 1.22
Darrow .....bbl. .90 - 1.30
De Soto.....bbl. .90 - 1.22
El Dorado.....bbl. .90 - 1.22
Haynesville .....bbl. .90 - 1.22
Homer .....bbl. .90 - 1.22
Iowa .....bbl. .90 - 1.30
Lockport .....bbl. .90 - 1.30
Miller County.....bbl. .90 - 1.22
Pine Island.....bbl. .90 - 1.22
Rainbow .....bbl. .90 - 1.22
Rodessa .....bbl. .90 - 1.22
Smackover .....bbl. .90 - —
Tepetate .....bbl. 1.24 - —
Urania .....bbl. 1.02 - —
Mexico, f.o.b. terminals Mexican ports—based on contract:—
Panuco .....bbl. No prices
Tax, 14.489c. per bbl.
Tuxpan .....bbl. No prices
Tax, 23.529c. per bbl.
Midcontinent:—
North Texas.....bbl. .96 - 1.30
Oklahoma-Kansas .....bbl. .93 - .130
Altus, Tipton (Okla.), bbl. .96 - 1.20
Pennsylvania, Ohio West Virginia:—
Bradford-Allegany ....bbl. 1.80 - —
Corning .....bbl. 1.17 - —
Pennsylvania grade, in Buckeye lines..bbl. 1.30 - —
Eureka lines.....bbl. 1.40 - —
N. Y. Transit lines.bbl. 1.80 - —
S. W. Penn. lines..bbl. 1.46 - —
lower district in National Transit lines.bbl. 1.68 - 1.73
Rocky Mountain:—
Big Muddy.....bbl. 1.18 - 1.23
Canon City-Florence...bbl. 1.10 - —
Cat Creek.....bbl. 1.40 - —
Dutton Creek.....bbl. 1.06 - 1.30
Elk Basin.....bbl. 1.05 - —
Fort Collins-Wellington, bbl. 1.01 - 1.25
Frannie, light.....bbl. .65 - —
Grass Creek, light.....bbl. 1.05 - —
Greybull .....bbl. 1.12 - 1.18
Iles .....bbl. 1.12 - 1.18
Lance Creek.....bbl. .97 - —
Lander .....bbl. .51¼- —
Midway .....bbl. 1.00 - 1.30
Rock Creek.....bbl. 1.20½- —
Salt Creek.....bbl. 1.06 - 1.30
Sunburst .....bbl. 1.20 - —
Torchlight .....bbl. 1.30 - —
South, Central and Southwestern Texas:—
Cass County .....bbl. .98 - 1.25
Cleveland-Liberty .....bbl. 1.27 - —
Conroe .....bbl. 1.20 - 1.44
Darst Creek.....bbl. 1.09 - —
Hardin-Liberty .....bbl. 1.15 - —
Luling .....bbl. 1.00 - —
Lytton Springs.....bbl. 1.12 - —
Mirando (incl. Duval).... bbl. .96 - 1.30
Panola County.....bbl. .93 - 1.25
Salt Flat.....bbl. 1.09 - —
Tomball .....bbl. 1.20 - 1.44
West Beaumont.....bbl. .95 - 1.29
Van .....bbl. 1.10 - —
Texas Panhandle:—
Carson-Hutchinson counties, bbl. .91 - 1.08
Gray County.....bbl. .96 - 1.08
West Texas:—
Artesia, N. M.....bbl. .90 - —
Crane .....bbl. .78 - 1.08
Crockett .....bbl. .78 - 1.08
Ector .....bbl. .78 - 1.08
Eddy (N. M.).....bbl. .90 - —
Hogback .....bbl. 1.33 - —
Howard .....bbl. .78 - 1.08
Jackson, N. M. .....bbl. .90 - —
Lea, N. M.....bbl. .78 - 1.08
Marjamar, N. M. .....bbl. .90 - —
Mitchell .....bbl. .78 - 1.08
Pecos .....bbl. .91 - —
Upton .....bbl. .78 - 1.08
Winkler .....bbl. .78 - 1.08
Ether, 30-60°, dms., c.l., G. 3, gal. .14 - —
l.c.l., G. 3.....gal. .25 - —
tanks, G.3 .....gal. .13 - —
35-60°, dms., l.c.l., G.3....gal. .30 - —
40-75°, dms., c.l., G.3....gal. .14 - —
l.c.l., G.3.....gal. .25 - —
tanks, G.3.....gal. .13 - —
laboratory grade, dms., c.l., G.3..gal. .14 - —
c.l., G.3.....gal. .25 - —
10-gal. lots, G.3.....gal. .50 - —
Lacquer, diluent, at refinery:—
California, 190 i.b.p., 200 e.p., tanks, delvd. Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
f.o.b. Richmond.....gal. .11 - —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
East Coast, tanks....gal. .12 - .12¼
Group 3, tanks.....gal. .07⅝- .07⅝
Naphtha, cleaners', at refinery:—
East Coast, tanks....gal. .10 - —
Group 3, tanks.....gal. .06⅜- .06⅝
tankwagon, Boston, ex tax, gal. .13 - —
Bridgeport .....gal. .13½- —
Chicago, inc. 4c. tax..gal. .17½- —
Decatur, inc. 4c tax..gal. .194 - —
Des Moines, inc. 4c. tax.gal. .192 - —
Evansville, inc. ex tax.gal. .14½- .15½
Milwaukee, inc. 5c. tax, gal. .206 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .208 - —
Newark, ex tax.....gal. .12 - —
New York, ex tax.....gal. .12 - —
Omaha, ex tax.....gal. .144 - .154
Oklahoma City, ex tax.gal. .16 - —
Philadelphia, ex tax...gal. .11½- —
St. Louis, inc. 1c. tax.gal. .15 - —
Syracuse, 150 gals....gal. .14 - —
smaller lots, galv. drums, gal. .16 - —

Petroleum, naphtha, high-solvency aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .16 - —
2, over 90% arom., same basis..gal. .18 - —
3, tanks, f.o.b. Bayway..gal. .18 - —
8, tanks, f.o.b. Paulsboro, N. J..gal. .14 - —
50, same basis.....gal. .16 - —
40, same basis.....gal. .14½- —
V. m. & p., at refinery:—
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond..gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
84-57, 190 i.b.p., 310 e.p. tanks, dlvd. Los Angeles..gal. .10 - —
San Francisco..gal. .10½- —
Portland, Seattle..gal. .11 - —
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .06⅝- .06⅝
tankwagon, Boston, ex tax gal. .13 - .14
Chicago, inc. 4c. tax..gal. .16½- —
Decatur, inc. 4c. tax..gal. .194 - —
Des Moines, inc. 4c. tax.gal. .192 - —
Evansville, Ind., ex tax.gal. .147 - .157
Milwaukee, inc. 5c. tax.gal. .206 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .208 - —
Newark, ex tax.....gal. .12½- —
New York, ex tax.....gal. .11 - —
Omaha, ex tax.....gal. .144 - .154
Philadelphia, ex tax...gal. .12½- —
St. Louis, inc. 1c. tax.gal. .16 - —
Solvent, rubber, at refinery, East Coast, tanks..gal. .09½- .10
Group 3, light, 120 i.b.p., 250 e.p., tanks...gal. .06⅝- .06⅝
standard, 180 i.b.p., 288 e.p., tanks..gal. .06⅝- .06⅝
Stoddard (CS 3-38), at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .05⅞- .06½
tankwagon, Boston, ex tax, gal. .12½- .13½
Chicago, inc. 4c. tax..gal. .159 - —
Decatur, inc. 4c. tax..gal. .184 - —
Des Moines, inc. 4c. tax.gal. .182 - —
Evansville, Ind., ex tax.gal. .135 - .145
Milwaukee, inc. 5c. tax.gal. .196 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .177 - —
Newark, ex tax.....gal. .09½- .11½
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .09½- .11½
Omaha .....gal. .131 - .14
Philadelphia, ex tax...gal. .10½- .12½
St. Louis, inc. 1c. tax.gal. .139 - —
Tulsa, ex tax .....gal. .10 - .11
Thinner, at refinery:—
California, 34, 325 i.b.p., 390 e.p., low anilin, tanks f.o.b. Los Angeles....gal. .14 - —
Portland, Ore.....gal. .15 - —
Richmond .....gal. .13½- —
Seattle, Wash....gal. .15½- —
44, 311 i.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore., gal. .10½- —
Richmond .....gal. .10 - —
Southern Calif....gal. .09½- —
56, 200 i.b.p., 300 e.p., tanks, f. o. b. El Segundo..gal. .11 - —
Portland, Ore.....gal. .12 - —
Richmond .....gal. .11½- —
Seattle, Wash....gal. .12 - —
East Coast, 43-47, tanks.gal. .09½- .10
47-49, tanks.....gal. .09½- .10
New Jersey, tanks...gal. .09 - —
Group 3, tanks.....gal. .05⅝- .05⅝
tankwagon, tax included:—
Albany .....gal. .13 - —
Baltimore (100 gals.)..gal. .12½- .15½
25-99 gals. .....gal. .13½- .15½
Boston .....gal. .12½- .13½
Bound Brook, North Amboy, N. J..gal. .11½- .13¼
Bridgeport, Conn.....gal. .11½- —
Buffalo .....gal. .12½- —
Camden, N. J.....gal. .10 - .12
Chicago .....gal. .162 - —
Decatur, Ill.....gal. .184 - —
Des Moines.....gal. .182 - —
Evansville, Ind. .....gal. .137 - .147
Milwaukee .....gal. .196 - —
Minneapolis-St. Paul...gal. .198 - —
Newark .....gal. .09½- —
New York (200 gals.)..gal. .09½- .11
Omaha .....gal. .131 - .141
Philadelphia .....gal. .10 - —
Pittsburgh .....gal. .12 - .14
Providence .....gal. .12½- .13½
Rochester .....gal. .12 - —
St. Louis.....gal. .15 - —
Syracuse .....gal. .14 - —
Trenton .....gal. .11½- .14
Wilmington, Del. ....gal. .11½- .13½
Phenobarbital, bots., 5 lbs....lb. 4.35 - —
bots. or cns., spot or contract, 100 lbs..lb. 4.00 - —
cns., 25 lbs.....lb. 4.25 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .14½- .15½
l.c.l., same basis.....lb. .15½- .16¼
under 1,000 lbs.....lb. .16¼- .17¼
tanks, works.....lb. .13½- —
Phenolphthalein, USP, bbls., dms. 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs. lb. .87 - .89
Yellow, fib., dms., 2,000-lb. lots. lb. .80 - —
100-lb. fib., dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.25 - 3.50
Dimethylacetate, cns.....lb. 14.50 -15.00
Phenylethylphenyl acetate, bots., lb. 7.90 -15.50
Phenylhydrazine base, CP, bots., lb. 4.00 - —
Hydrochloride, CP, bots., works..lb. 4.00 - —
commercial, kgs., works...lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phlorogiucinol, CP, tins, works.lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.85 - —
70% min., bulk, mines, long ton. 2.35 - —
72% min., bulk, mines, long ton. 2.85 - —
75% basis, 74% min., bulk mines..long ton. 3.85 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75%, bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs. .....lb. .40 - .44
Yellow, cs. .....lb. .24 - .30
Phosphorous, oxychloride, cyls.lb. .15 - .18
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .18
Phthalamide, bbls., tons.....lb. .35 - —
single bbls.....lb. .40 - —
kgs. .....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .10 - .12
Pilocarpine hydrochloride, bots., vis..oz. 2.40 - 2.50
Nitrate, bots., vis.....oz. 2.90 - 3.09
Pimento, bgs.....lb. .15½- .16
Pinkroot, bls. .....lb. .35 - .36
Pitch, Burgundy (see B)
Coaltar, 160° m.p., bbls., c.i., works..ton.19.00 - —
l.c.l. .....ton.22.00 - —
hardwood, 1-time, dm., c.i., dlvd. Akron..ton.23.75 -24.00
linseed, dms. .....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas)
Pine, bbls. .....lb. 6.00 - 6.25
Plaster of paris (see Gypsum).
Pleurisy root, bls. .....lb. .11 - .12
Podophyllin, dms. .....lb. 4.75 - 4.95
Poke root, bls. .....lb. .07½- .08
milk cans.....gal. .21 - —
Pomegranate bark, bgs.....lb. .16 - .17
Root bark, bgs.....lb. .35 - .36
Poppy flowers, red, bls.....lb. .75 - .85
Seed, Dutch, bgs.....lb. .10 - .10½
Polish, bgs. .....lb. .10 - .10⅛
Potash abietate .....lb. .98 - —
Acetate, tech., bbls., dlvd..lb. .26 - —
kgs., dlvd. .....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs. .....lb. .30 - —
cns., 25 lbs. .....lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs. .....lb. .12 - —
Bicarbonate, USP, cryst., bbls. 300 lbs. .15 - —
kgs., 100 lbs.....lb. .17 - —
gran., bbls., 250 lbs.....lb. .15 - —
kgs., 100 lbs.....lb. .17 - —
Bichromate, spot, c.l., works.lb. .08⅝- 6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Binoxalate, dms.....lb. .23 - —
Bisulphate, kgs.....lb. .14 - .18
Bromide, USP., gran., bbls., 500 lbs..lb. .31 - —
fib., dms., 100 lbs.....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06⅝- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05⅝- —
liquid, dms., c.l., dlvd....lb. .03 - —
l.c.l., dms.....lb. .03½- —
tanks, dlvd.....lb. .02871⅛- —
USP, gran., bbls., 325 lbs..lb. .14 - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07½
import, dms.....lb. .07 - .07½
liquid, 45% basis, dms.....lb. .03½- .03¼
tanks .....lb. .02⅝- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06⅝
import, dms.....lb. .06¼- .06⅜
Chlorate, cryst., kgs.....lb. .09¼- .09⅝
gran., kgs.....lb. .12 - .13
powd., kgs.....lb. .08½- .09
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 - .06
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- .38¼
Cyanide, cns., dms.....lb. .50 - .55
Glycerophosphate, 75%, sol., dms., 1,000-lb. lots..lb. .90 - —
100-lb. lots.....lb. 1.00 - —
50-lb. lots, cbys. or cns. lb. 1.05 - —
25-lb. lots, cns.....lb. 1.15 - —
Guaiacolsulphonate, fib., dms.. 100 lbs. 1.65 - —
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns... 100 lbs. .30½- .32
Hypophosphite, cns., 100 lbs., lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.31 - 3.35
cns., 25 lbs.....lb. 3.20 - —
Iodide, bbls., 250 lbs.....lb. 1.13 - —
bots., or cns.....lb. 1.22 - 1.48
dms. .....lb. 1.13 - 1.16
Kainit, 20% K_2O, bulk, c.i.f., ports..ton.12.25 - —

Prices for potash kainit, manure salts, muriate, sulphate and potash magnesia sulphate for July 1938-May 1939 are subject to discount according to the time orders are placed and the time of delivery. See fertilizer market report for particulars.

Manure salt, dom., run of mine, approx. 30% K_2O, bulk, c.i.f. ports, unit-ton. .58½- —
Import, 30% K_2O, bulk, shipt. unit-ton. .58½- —
Metabisulphite, kgs.....lb. .12 - .13½
Muriate, dom., all strengths, min.. 50% K_2O bulk, unit-ton. .53½- —
import, all strength, min. 80% KCl, basis 50% K_2O, bulk, c.i.f. ports.. unit-ton. .53½- —

Potash muriate prices in bags are $2 per ton higher than bulk price.

Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs., c.i.f. ports. ton.55.00 Nom.
Perchlorate, kgs., works....lb. .09 - .10½
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .30½- .34
Yellow, bbls. .....lb. .15 - .16
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lump, bgs., lb. .07 - —
Sulphate, NF, cryst., bbls., 400 lbs..lb. .13 - —
kgs., 100 lbs.....lb. .15 - —
powd., bbls., 350 lbs.....lb. .14 - —
kgs., 100 lbs.....lb. .16 - —
tech., 90-95%, min. 90%, bgs., shipt., c.i.f. ports..ton.38.00 - —
l.c.l. .....lb. .13½- —
Xanthate, dms., c.l.....lb. .13 - —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt. ton.25.75 - —
Potash-titanium oxalate, kgs...lb. .35 - .40
Prickly ash bark, bls.....lb. .11 - .12
Berries, bls.....lb. .14 - .15
Prince's pine herb, bls.....lb. .21 - .24
Propane, tanks, G.3.....gal. .03 - —
Psyllium seed (see Fleaseed).
Pulsatilla, bls. .....lb. .17 - .18
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03 - —
less than 3, works..lb. .03½- —
F and 1, bbls., 3 or over, works..lb. .03½- —
less than 3, works..lb. .04 - —
O, O-½, O-¾, and ½, bbls., less than 3, works..lb. .04½- —
3 or over, works..lb. .04 - —
Ital.-grd., bgs., c.l., shipt. ex dock, N.Y..ton.32.85 Nom.
l.c.l., 5-29 tons, ex whse., ton.37.70 - —
1,000-10,000 lbs., ex whse..ton.38.70 - —
2 bgs. to 1,000 lbs., ex whse..ton.40.70 - —
single bgs., ex whse.ton.45.70 - —
Pumpkin seed, bgs.....lb. .10 - .12
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.00 - —
linseed oil, raw, dms....100 lbs. 4.50 - —
refined, dms.....100 lbs. 5.00 - —
standard, dms.....100 lbs. 3.95 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrins (Sell test) 55-gal. dms. (incl.) frt. alld. E. of Rockies, standard brand..gal. 6.40 - 6.75
basis (30 to 1) 3.6% pyrethrins 55-gal. dms., (incl.) frt. alld. E. of Rockies, standard brand..gal. 9.60 - 9.95
Pyrethrum, flowers, coarse, grnd. (g.d.p.), Japan, bgs., frt. alld., 15 tons or over..lb. .27 - .28½
fine powd. Japan, bbls., ton lots frt. alld..lb. .28 - .30
Pyridin, denaturing, dms....gal. 1.53 - —
refd., 2°, dms. .....lb. .45 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. .12-13 Nom.
Pyrocatechin, CP, cryst., works, fib, dms, tins..lb. 2.15 - 2.40
resublimed, fib, dms., tins..lb. 4.60 - —
Pyrophyllite, standard, 200 mesh, c.l. mines..ton. 9.00 - —
325 mesh, same basis.....ton.12.00 - —
No. 3, 200 mesh, c.l. mines.ton. 7.50 - —
325 mesh, same basis.....ton.10.50 - —
Pyroxylin, scrap, amber, cs., works..lb. .15 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works..lb. .16 - —
dense white, cs., works..lb. .12 - —
gray, cs., works.....lb. .10 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-demi, cs., works....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia, chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 25% tan., bbls., works..lb. .03⅝- —
tanks, works.....lb. .02⅝- —
solid, 63%, bgs, c.l., ex dock, plus duty..lb. .04 - —
clarified, 64%, bgs., c.l., same basis..lb. .04¼- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs.....lb. .09 - .10
Quercitron, extract, liquid, 51°, bbls..lb. .07½- .08¼
solid, dms.....lb. .10 - .15½
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y..flasks.76.00 -84.50
Quince seed, bgs.....lb. .85 - 1.00
Quinidine, cryst., small cns...oz. .96 - —
large, cns.....oz. .98 - —
powd., precip., cans.....oz. .91 - —
Sulphate, cns.....oz. .67 - —
Quinine, 100 ozs., cns.....oz. .76 - —
Acetate, cns.....oz. .99 - —
Arsenate, cns.....oz. .99 - —
Arsenite, cns.....oz. 1.01 - —
Bisulphate, cns.....oz. .54 - —
Citrate, cns.....oz. .72 - —
Dihydrobromide, bots.....oz. .75 - —
Dihydrochloride, bots.....oz. .75 - —
Ethylcarbonate, cns.....oz. .75 - —
Ferrocyanide, cns.....oz. 1.01 - —
Formate, cns.....oz. .94 - —
Glycerophosphate, cns.....oz. 1.14 - —
Hydrochloride, cns.....oz. .68 Nom.
Hydrochlorosulphate, cns....oz. .75 - —
Hydroiodide, cns.....oz. .99 - —
Hypophosphite, cns.....oz. .99 - —
Phosphate, cns.....oz. .82 - —
Salicylate, cns.....oz. .73 - —
Sulphate, U.S.P. X, cns.....oz. .54 - —
U.S.P. XI, cns.....oz. .61 - —
Sulphocarbolate, cns.....oz. .97 - —
Tannate, cns.....oz. .57 - —
Tartrate, cns.....oz. .97 - —
Valerate, cns.....oz. .93 - —
Quinine-urea hydrochloride cns.oz. .75 - —

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms. .....lb. .52 - —
Rapeseed, Belgian, bgs.....lb. .06½- .07
Dutch, bgs.....lb. .06½- .07
Japanese, bgs.....lb. .06⅛- .06½
Raspberries, dried, bls.....lb. .50 - .55
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
light shade, bbls., ton lots, same basis..lb. .70 - —
smaller lots, same basis, lb. .75 - —
kgs., ton lots, same basis, lb. .75 - —
smaller lots, same basis, lb. .80 - —
light-medium shade bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
maroon shade, bbls., ton lots, same basis..lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
kgs., ton lots, same basis, lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
medium shade, bbls, ton lots, same basis..lb. .80 - —
small lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 —
smaller lots, same basis, lb. .90 - —

Pet., Naphtha—Saltpeter

Red, cadmium, selenide, bbls., dark, works..lb. 2.50 - —
light, works .....lb. 2.25 - —
Orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40 1-lb. cns., 500 lbs., lb. 4.15 - —
dms., 500-lb. lots.....lb. 4.00 - —
100-lb. lots .....lb. 4.10 - —
Crocus martis (see Red, purple oxide.)
Eosin toner, bbls.....lb. 1.50 - 1.60
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08⅝- —
80%-85%, bbls., same basis..lb. .07¼- —
Iron oxide (see Red, oxide).
Lake C toner, bbls., same basis a'izarin lake, contracts.lb. 1.25 - —
oven order.....lb. 1.30 - —
Lithol toner, bbls., same basis, alizarin lake, contrs..lb. .75 - —
open order.....lb. .80 - —
Rose lake, bbls.....lb. .20 - .30
Pink, bbls.....lb. .15 - .20
Lithol-rubin toner, bbls., same basis alizarin lake..lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts. lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom.... bbls..lb. 1.26 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N.Y..lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07⅞- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .75 - —
open order.....lb. .80 - —
Persian Gulf oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .04½- .04⅝
ex whse., Chicago, St. Louis..lb. .05⅞- —
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kegs.....lb. .60 - 1.90
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .45 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish oxide, bbls., f.o.b. N.Y., lb. .03⅝- .0390
Toluidin toner, kgs., same basis alizarin lake..lb. 1.35 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0255- —
20%, bbls., works.....lb. .02⅞- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 - —
English quicksilver, bbls., 500 lb. 1.55 - —
smaller lots.....lb. 1.56 - 1.69

Red dyes are listed under Dyes.

Red precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb. 1.51 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works...lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .09 - .10
Rhodinol, bots. .....ib. 6.65 -13.00
Rhubard root, cs.....lb. .31 - .32
powd., bbls., kgs.....lb. .35 - .36
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .17⅝- —
smaller lots.....lb. .18¼- —
powd., bbls., 5,000 lbs., 1 shipt..lb. .16¾- —
smaller lots.....lb. .17¼- —
Rose flowers, pale, bls.....lb. .25 - .28
red, bls.....lb. 2.25 - 2.30
Rosemary flowers, bls.....lb. .25 - .30
Leaves, bls.....lb. .05 - .06
Rosin, gum B, bbls., ex docks, 280 lbs. 4.75 - —
D, bbls.....280 lbs. 5.10 - —
E, bbls.....280 lbs. 5.45 - —
F, bbls.....280 lbs. 5.70 - —
G, bbls.....280 lbs. 5.72½- —
H, bbls.....280 lbs. 5.72½- —
I, bbls.....280 lbs. 5.72½- —
K, bbls.....280 lbs. 5.72½- —
M, bbls.....280 lbs. 5.72½- —
N, bbls.....280 lbs. 6.60 - —
W. G., bbls.....280 lbs. 6.75 - —
W. W., bbls.....280 lbs. 7.60 - —
X, bbls.....280 lbs. 7.60 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.35.00 - —
l.c.l., ex whse.....ton.50.00 - —
Import., lump., bbls.....lb. .12 - —
powd., bbls. .....lb. .08½- .10
Rue, bls. .....lb. .15 - .16

S

Sabadilla seed, powd., bbls....lb. .19 - .20
Saccharin, dms., 100 lbs.....lb. 1.70 - —
cns., 25 lbs.....lb. 1.75 - 2.05
Safflower, bls.....lb. .25 - .26
Saffron, Mexican, bls.....lb. .28 - .29
Spanish, tins.....lb. 28.00 -30.00
Safrol, cns.....lb. .52 - .53
Sage, Dalmatian, stemless.....lb. .05⅝- .06
garden, bls.....lb. .06¼- .06½
Sago flour, bgs.....lb. .02½- .03¼
Salicin, bots., 5 lbs.....lb. 5.00 - —
cns., 25 lbs.....lb. 4.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton.13.20 -13.80
l.c.l., bgs., dlvd., N. Y..ton.15.00 -15.60
vacuum, common, fine, bgs., c.l., dlvd., N. Y..ton.15.30 - —
l.c.l., dlvd. N. Y.....ton.16.30 -21.00
Saltcake, grd., dom., bbls., works, ton.19.00 -25.00
bulk, works.....ton.15.00 - —
import, bulk, c.i.f.....ton.15.00 -16.00
Chrome (see Chrome cake).
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls...100 lbs. 7.50 - 8.25
1-9 tons.....100 lbs. 7.65 - 8.40
less than ton lots..100 lbs. 7.90 - 8.65

Saltpeter—Soda Fluoride

Saltpeter, gran., bbls., 10-20 tons, 100 lbs. 6.50 - —
1-9 tons.....100 lbs. 6.65 - —
less than ton lots..100 lbs. 6.90 - —
powd., bbls., 10-20 tons.100 lbs. 7.50 - —
1-9 tons.....100 lbs. 7.65 - —
less than ton lots..100 lbs. 7.90 - —
Santonin, cryst., cns.....lb.21.00 -22.00
Saponin, crude, cns.....lb. 1.45 - —
purified, bots., 5 lbs.....lb. 1.65 - —
cns., 25 lbs.....lb. 1.50 - —
Sarsaparilla root, Honduras, bls.lb. .40 - .41
Mexican, bls.....lb. .16 - .18
Sassafras, bark, ord., bls.....lb. .13 - .15
select, bls. .....lb. .18 - .20
Savory, bbls.....lb. .07 - .07⅛
Saw palmetto berries, bgs.....lb. .07 - .07⅛
Scammony root, bgs.....lb. .06 - .07
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb. .13⅞- —
smaller lots.....lb. .14⅜- —
kegs, 5,000 lbs., 1 shipm't..lb. .14⅜- —
smaller lots.....lb. .14⅞- —
Selenium, pwd., A, 10-lb. tins..lb. 2.00 - —
100-lb. cases .....lb. 1.75 - —
Senega, root, bls.....lb. .49 - .51
Senna leaves, Alexandria, bls.lb. .10 - .14
siftings, bls.....lb. .10 - .11
Tinnevelly, No. 1, bls.....lb. .09 - .10
2 bls.....lb. .07 - .08
3 bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .09 - .10
Pods, bls.....lb. .05½- .06
Serpentaria root, bls.....lb. .75 - .80
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .19 - .20
dlvd. Boston.....lb. .19½- .20½
Chicago .....lb. .19¾- .20¾
Pacific Coast.....lb. .22 - .23
Shellac, bleached, refd., bbls., f.o.b. N.Y..lb. .25 - —
dlvd. Boston.....lb. .25½- —
Chicago .....lb. .25¾- —
Pacific Coast.....lb. .28 - —
Garnet, bgs.....lb. .13½- .14
Orange, D.C., VSO., Diamond, cases..lb. .20 - .21
Superfine, bgs., f.o.b. Bost. N. Y..lb. .11½- .12
dlvd. Chicago.....lb. .12 - .12½
Pacific Coast.....lb. .15 - .15½
T.N., bgs., f.o.b. Bost. N. Y.lb. .11 - .11⅛
dlvd. Chicago.....lb. .11½- .12
Pacific Coast.....lb. .14 - .14½
Shellac varnish, orange, 5-lb. cut, bbls..gal. .85 - .95
4½-lb. cut, bbls.....gal. .80 - .90
4-lb. cut, bbls.....gal. .75 - .85
Shellac varnish, white, 5-lb. cut, bbls..gal. 1.00 - 1.10
4½-lb. cut, bbls.....gal. .95 - 1.05
4-lb. cut, bbls.....gal. .90 - 1.00
Silica, amorph., dry-grd., 95-97%, 325 mesh,bgs. c.l.,works.ton.17.00 - —
l.c.l., 2½ tons.works.ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., 2½ tons, works.ton.19.50 - —
smaller lots, works.ton.21.00 - —
400 mesh, bgs., c.l., works, ton.35.00 - —
l.c.l., 2½ tons,works.ton.36.50 - —
smaller lots, works.ton.38.00 - —
96-98%, 325 mesh., bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons,works.ton.21.50 - —
smaller lots, works.ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
l.c.l., 2½ tons,works.ton.25.50 - —
smaller lots.....ton.27.00 - —
Silica, amorph.. hard-quartz, 140 mesh, bgs., c.l., works.ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver bullion.....oz. .42¾- —
Govt. purchase.....oz. .6464- —
Nitrate, vis.....oz. .31½- .33⅛
Nucleinate, bots., cns., 480 ozs., oz. .30 - .31
Proteinate, bots., cns., 480 ozs., oz. .29 - .30
Simaruba bark, bls.....lb. .27 - .28
Skatol, bots.....lb.75.00 -80.00
Skullcap, Eastern, bls.....lb. .20 - .21
Western, bls.....lb. .14 - .17
Skunk cabbage root, bls.....lb. .18 - .19
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .09 - .10
Smalt, black, extra velvet, ctns. lb. .05 - .08
Blue, cts.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .07 - .08
crushed, bls., bbls.....lb. .11 - .12
cut, bls., bbls.....lb. .09 - .10
powd., bbls. .....lb. .13 - .14
Soda, abietate, dms.....lb. .10 - —
Acetate, anhyd., dms., dlvd..lb. .08¼- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd. ....lb. .04½- .06
Alginate, dms.....lb. .69 - —
Antimoniate, bbls.....lb. .12 - .12½
Arsenate, dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms., works.....lb. .08½- —
Arsenite, dry, gray, dms., c.l., dealers' works..lb. .07½- .09½
l.c.l., dms., works.....lb. .08 - .10
white, dms., c.l., dealers' works..lb. .09 - .11
l.c.l., dms., works.....lb. .09½- .11⅛
liquid, 50 gls., dms.....gal. .35 - —

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Soda Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.33 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works.....100 lbs. .95 - —
extra light, 58%, bgs., c.l.... 100 lbs. 1.08 - —
l.c.l., Zone 1.....100 lbs. 2.68 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., Zone 1..100 lbs. 1.45 - —
58%, bbls., c.l., Zone 2. 100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
bulk, c.l..... 100 lbs. .90 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N. H., Vt.), special local prices apply for shipts, to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S.C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N.D., Okla., S.D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N.M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 or more. lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
dms, 4,000 lbs., or more..lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, gran., bbls., c.l., works..100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd. N. Y....100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N. Y....100 lbs. 2.76 - —
Bichromate, spot, c.l., works. lb. .06¾- —
6 cks, or 18 bbls. or over, works..lb. .07 - —
5 cks, or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .12½- .15
Bisulphite, powd., bbls., c.l., bbls., wks.....100 lbs. 3.30 - 3.55
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 doz., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
35 deg., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
40 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Cacodylate, bots., 5 lbs.....lb. 5.81 - —
jars, 25 lbs.....lb. 5.50 - —
Carbonate (see Soda ash, soda monohydrated, soda, sal)
Caustic, flake, 76%, 1, gr., powd., ammon. process, bbls., c.l., works..100 lbs. 2.70 - —
dms., c.l., works...100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49% buyer's tanks, works..100 lbs. 1.95 - —
seller's tanks, works, 100 lbs. 1.97½- —
70%, buyer's tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76%, ammon. process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon. process.

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06¼- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Citrate, U.S.P., VIII, gran., bbls..225 lbs. .19¼- —
cns., 50 lbs.....lb. .21½- —
25 lbs.....lb. .21½- .24½
kgs., 100 lbs.....lb. .20½- —
USP XI, gran., bbls., 250 lbs. lb. .26 - —
cns., 50 lbs.....lb. .28 - —
25 lbs.....lb. .30 - .31
kgs., 100 lbs.....lb. .27 - —
U.S.P., XI, powd., bbls., 250 lbs..lb. .26½- —
cns., 50 lbs.....lb. .28½- —
25 lbs.....lb. .30½- .31½
kgs., 100 lbs.....lb. .27½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import. 90%, cs.....lb. .12¾- .13¾
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila..lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
5-9, same basis.....lb. .08½- —
1-4, same basis.....lb. .08¾- —
95%, bbls., c.l., same basis. lb. .07½- —

THE FINISHING TOUCH

THERE are still some jobs in Mathieson's plants which science just can't reduce to routine. Finishing solid caustic soda, for example, is one which calls for unusual skill on the part of the workman. Thus even at Lake Charles—"the most efficient alkali plant in the world"—it takes men like J. V. Campbell to furnish that "finishing touch" which has so much to do with the quality of Mathieson Solid Caustic.

Jim Campbell, carefully watching over his caustic pots, is one of the hundreds of capable, loyal men who give their best to Mathieson's "big little" jobs. Skillful, proud of their work, these men constitute one of the important reasons for the day-in and day-out dependability of Mathieson Chemicals and Mathieson Service.

The MATHIESON ALKALI WORKS (Inc.)
60 East 42nd Street **New York, N. Y.**

Soda Ash . . . Caustic Soda . . . Bicarbonate of Soda . . . Liquid Chlorine . . . Bleaching Powder . . . HTH and HTH-15 Ammonia, Anhydrous and Aqua . . . PH-Plus (Fused Alkali) . . . Sulphur Chloride . . . CCH (Industrial Hypochlorite) Dry Ice (Carbon Dioxide Ice) . . . Analytical Sodium Chlorite

Soda, fluoride, 95% bbls., l.c.l., 10 or over, same basis..lb. .08 - —
5-9 same basis.....lb. .08½- —
1-4, same basis.....lb. .08¾- —
Soda fluoride prices at Los Angeles are f.a.s. Phila.
Glycerophosphate, N. F., cryst., bbls., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
powd., bbls., 1,000-lb. lots.. lb. 1.05 - —
smaller lots.....lb. 1.20 - —
cns., 25 lbs.....lb. 1.45 - —
Hydrosulphite, bbls.....lb. .16 - .17
Hydroxide, USP., sticks, cns., 160 lbs..lb. .20¼- .22
Hypophosphite, N.F., cns.... 100 lbs..lb. .67 - —
Hyposulphite, cryst., large, bgs, c.l., wks, frt. equal'd, 100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., wks, frt. equal'd 100 lbs. 2.50 - —
bbls., same basis..100 lbs. 2.70 - —
100 lbs. 2.40 - 2.65
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs., and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., wks.....100 lbs. 2.95 - 3.20
dms., wks.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., wks..100 lbs. 2.85 - 3.10
bbls., wks.....100 lbs. 3.05 - 3.30
dms., wks.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., wks., 100 lbs. 3.10 - 3.35
bbls., wks.....100 lbs. 3.30 - 3.55
dms., wks.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., wks, 100 lbs. 3.70 - 3.95
bbls., wks.....100 lbs. 3.90 - 4.15
dms., wks.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 2.10 - —
bots.....lb. 2.21 - 2.47
Mandelate, bots.. 5 lbs.....lb. 3.30 - —
fib. dms., 25 lbs.....lb. 3.15 - —
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, ground, dms., c.l., works..100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 3.40 - —
cryst., dms., c.l.....100 lbs. 2.90 - —
gran., bbls., c.l., works.100 lbs. 2.20 - —
Molybdate, kgs., wks.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.80 - —
Naphthenate, bbls.....lb. .19 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., Aug. delivery, f.o.b. cars producing point or ports, rail or boat shipment..ton.29.00 - —
200-lb. bgs., same basis.ton.28.30 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 tons.. 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
pwd., bbls., ton lots.100 lbs. 5.65 - —
smaller lots.....100 lbs. 5.90 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized..lb. .06¾- —
c.l., West Coast, f.o.b. f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11¼
Soda nitrate l.c.l. price range represents delivery at various points.
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .11 - —
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Phosphate, dibasic, tech., bgs., c.l., works..100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.40 - —
monobasic, anhyd., bbls., c.l., 100 lbs. 7.45 - —
l.c.l. .....100 lbs. 8.20 - —
tribasic, bgs., c.l., works.. 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.40 - —
bbls., c.l., works...100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.60 - —
kgs., c.l., works....100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.10 - —
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., works. lb. .09½- .10
Pyrophosphate, anhy., c.l., bgs., wks., frt. equal'd...100 lbs. 5.90 - —
bbls., c.l., same basis, 100 lbs. 6.10 - —
10,000 lbs. or over, bgs., same basis..100 lbs. 6.25 - —
bbls., same basis.....100 lbs. 6.45 - —
less than 10,000 lbs., bgs., same basis..100 lbs. 6.90 - —
bbls., same basis.....100 lbs. 7.10 - —
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquisilicate, dms., c.l., works, 100 lbs. 3.00 - —
20 dms., and up, dlvd.N.Y.C. 100 lbs. 3.05 - —
5-19 dms.....100 lbs. 4.10 - —
1-4 dms.....100 lbs. 4.30 - —
Silicate, 40° turbid., dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1-4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. .05¼- .05½
import, bbls. .....lb. .04½- .05
Stannate, dms.....lb. .29 - .32
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., works, 100 lbs. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4 .....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Soda, sulphoricinoleate, bbls...lb. .12 - —
Thiosulphate (see hyposulphite).
Tungstate, CP, kgs.....lb. 2.00 - 2.10
tech., kgs.....lb. 1.30 - 1.40
Solvent, high-flash, dms., works, frt., equald..gal. .31 - —
tanks, same basis.....gal. .26 - —
naphtha, solvent, dms., works, gal. .31 - —
tanks, E. of Omaha, frt., alld. gal. .26 - —
W. coast, f.o.b., Minnequa, Colo..gal. .26 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .18 - —
Sparteine sulphate, cns.....oz. 1.00 - 1.05
Spearmint leaves, bls.....lb. .19 - .20
Spikenard root, bls.....lb. .13 - .14
Spruce extract, bbls., works...lb. .01¾- —
tanks, works.....lb. .01¼- —
powd., bgs.....lb. .04 - —
super, bbls., works.....lb. .01¾- —
tanks, works.....lb. .01⅜- —
Squawvine leaves, bls.....lb. .15 - .16
Squill red, bls.....lb. .14 - .15
white, bls.....lb. .06 - .07
powd., bbls., bxs.....lb. .12 - .13
St. Ignatius beans, bxs.....lb. .45 - .50
St. John's bread, bls.....lb. .06½- .07
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.45 - 2.65
dlvd., N. Y.....100 lbs. 2.80 - 3.00
powd., bgs., f.o.b. Chicago. 100 lbs. 2.55 - 2.75
dlvd., N. Y.....100 lbs. 2.90 - 3.10
Potato, dom., bgs.....lb. .04 - .05
import, bgs.....lb. .05 - .06
Rice, bbls.....lb. .06¾- .07¼
Wheat, thick boil, bbls.....lb. .06¾- —
Staveacre seed, bgs. .....lb. .17 - .18
Stearin, oleo, bbls.....lb. .07¾- .08
Stillingia root, bls.....lb. .08 - .09
Stonecrop, bls.....lb. .07½- .08
Storax, cs.....lb. .48 - .49
Stramonium leaves, bls.....lb. .13 - .14
seed, bgs.....lb. .09 - .10
Strontium bromide, fib, dms..lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, N.F., IV, 250-lb. bbls..lb. .30 - —
25-lb. bxs.....lb. .35 - —
100-lb. kgs.....lb. .32 - —
Chloride, bbls. .....lb. 13¼- —
Iodide, bots., 5 lbs.....lb. 2.90 - —
jars, 25 lbs.....lb. 2.85 - —
Nitrate, dom., bbls., works..lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-4 bbls. and over.....lb. .08¾- —
import, bbls.....lb. .07¾- .08¾
Strophanthus seed, Kombe, bgs.lb. 1.20 - 1.30
Strychnine, cryst., cns., 100-oz. lots..oz. .39 - —
powd., cns., 100-oz. lots...oz. .29 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .57 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .60 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .57 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .59 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .57 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .68 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .50 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .59 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .35 - —
powd., cns., 100-oz. lots, oz. .25 - —
Styralyl acetate, bots.....lb. 6.75 - 7.00
Sucrose octa-acetate, denat., grade, bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .70 - 1.10
Milk., bbls., c.l.....lb. .15 - —
l.c.l., 10 or over.....lb. .16 - —
less than 10.....lb. .17 - —
Sulfanilamide, 5 lb. bots.....lb. 1.90 - —
fib., dms., 1,000 lbs.. 1 delivery, lb. 1.50 - —
100 lbs.....lb. 1.55 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - 5.30
Sulphur, crude, bulk, 1,000 tons, mines, contracts, long ton.18.00 - —
c.l., spot, nearby, long ton.21.00 - —
ex vessel, Balto., N. Y., Phila., Southern ports, long ton.22.00 -25.00
Bost., Portland..long ton.22.50 -25.50
flowers, ogs., c.l., works.100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.25 - —
l.c.l., bgs., works..100 lbs. 3.25 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works, 100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works..100 lbs. 2.50 - 2.80
bbls., works.....100 lbs. 2.65 - 3.00
flour, comm'l, bgs., c.l., works, 100 lbs. 1.65 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 2.35
bbls., works.....100 lbs. 2.60 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.85 - —
bbls., works....100 lbs. 3.20 - —
heavy, bgs., c.l., works, 100 lbs. 2.55 - —
bbls., works....100 lbs. 2.90 - —
l.c.l., bgs., works, 100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.25 - 3.65
light, ogs., c.l., works..... 100 lbs. 2.65 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., ogs., works..100 lbs. 3.00 - 3.40
bbls., works....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.30 - —
l.c.l., bbls., works.100 lbs. 2.15 - —
roll, bgs., c.l., works..100 lbs. 2.35 - —
bbls., works....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works....100 lbs. 2.85 - 3.25
Chloride, 55-gal. dms., c.l....lb. .03 - —
l.c.l., dms., works.....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., lars.....lb. 3.90 - —
Sumac berries, bxs.....lb. .06 - .07
Sumac, grd., Sicilian, bls.....ton.67.00 - —
leaf, bales.....ton.68.00 - —
Extract, 42°, bbls..... lb. .05½- .06¾
51°, bbls.....lb. .06½- .08¼
stainless, bbls.....lb. .06½- .08¾
Sunflower seed, Calif., large, bgs., lb. .06 - .06½
medium, bgs. .....lb. .04½- .05
poultry, bgs.....lb. .03½- .04
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Baltimore, ton. 8.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 7.50 - —
triple, 44-45%, a.p.a. bulk, f.o.b. Balto..unit-ton. .75 Nom.

T

Talc., dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N.Y., fibrous, 93-94%, 325 mesh bgs., c.l., mills.. ton.14.00 - —
l.c.l., mills.....ton.16.00 - —
96-98%, 325 mesh, bgs., c.l., mills..ton.15.00 - —
l.c.l., mills.....ton.17.00 - —
98-99½%, 325 mesh, bgs., c.l., mills..ton.15.25 - —
l.c.l., mills.....ton.17.25 - —
99.85-99.95%, 325 mesh, bgs., c.l., mills...ton.17.00 - —
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, alum-mag. type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills. ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills...ton.11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l., ex whse.....ton.27.50 -32.50
Italian, 1, bgs., ex dock, arrival. ton.65.00 -67.00
ex whse.....ton.85.00 - —
2, bgs., ex dock, arrival.ton.60.00 -62.00
Tallow, animal, edible, bbls...lb. .07⅜- .07⅝
extra, loose, works.....lb. .05¼- —
special, loose, works.....lb. .05⅛- —
Vegetable, ship., cs.....lb. .07½- .08
sulphonated 85% (24% fat), dms., c.l..lb. .05 - .05½
l.c.l .....lb. .06 - .06½
50% (43% fat) dms., c.l..lb. .06½- .07
l.c.l. .....lb. .07½- .08
50% (48% fat), dms., c.l..lb. .07 - .07½
l.c.l. .....lb. .08 - .09
Tamarind, W. I., bbls.....lb. .05½- .06
kegs .....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 10-12%, ammon., 15-20% b.p.l., bulk..unit-ton. 2.90 & .10
unground, 9-11% ammon., 15-20% b.p.l., bulk, unit-ton. 2.90 & .10
fertilizer grade, 10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 2.60 & .10
high-grade feeding, bulk, Chicago..unit-ton. 2.85 & .10
Import., S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports ship. unit-ton. 3.25 & .10 Nom.
Tansy leaves, bls.....lb. .18 - .19
Tapioca, flour, bgs.....lb. .02 - .04
Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis.....gal. .25 - —
25%, dms., c.l., works....gal. .25½- —
l.c.l., same basis.....gal. .28½- —
Pine, retort, dms., c.l., dlvd, E. cities..gal. .26 - —
dlvd., ports.....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
Tartar emetic tech., fine gran., bbls., 5 or more..lb. .27¾- —
less than 5.....lb. .28 - —
powd., bbls., 5 or more..lb. .27¾- —
less than 5.....lb. .28 - —
USP, powd., bbls.....lb. .33 - 33½
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .77 - 1.00
Terpin hydrate, kgs.....lb. .45 - .46
Terpineol, CP, cns.....lb. .25 - —
dms. .....lb. .23 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms.,works.lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech., dms. .....lb. .09½- —
Tetralin, dms. .....lb. .12 - —
Thallium sulphate, 90% pure, dms. works..lb. 7.25 - 7.50
Theobromine, cns. .....lb. 2.10 - 2.40
Sodiosalicylate, cns. .....lb. 1.75 - 1.85
5-lb. bots. .....lb. 2.01 - —
Thiocarbanilide, dms. .....lb. .24 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .14 - .15
Thymol, dms., 100 lbs.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.45 - —
Iodide, kgs., 50 lbs.....lb. 3.25 - 3.30
25 lbs.....lb. 3.35 - 3.40
Timbo root, powd., 4% rotenone, bbls..lb. .18 - .26
5% rotenone, bbls.....lb. .22 - .30
Tin crystals, bbls., kgs.....lb. .34½- .35
Metal, Straits.....lb. .43 - —
Oxide, bbls.....lb. .48 - .50
Tetrachloride, anhyd., bbls...lb. .22 - —
Titanium, dioxide, bgs., c.l. (20 tons), E. frt. alld..lb. .15 - —
Pac. cst., f.o.b. terminals, lb. .15 - —
l.c.l., 5 tons, E., dlvd....lb. .15¼- —
Pac. cst., ex whse...lb. .15½- —
1,000-9,999 lbs., E. dlvd.lb. .15½- —
Pac. cst., ex whse...lb. .15½- —
50-999 lbs., E. dlvd.....lb. .15⅝- —
Pac. cst., ex whse...lb. .15⅞- —
under 50 lbs., E. dlvd...lb. .18 - —
Pac. cst., ex whse...lb. .13 - —
bbls., c.l. (20 tons), E. frt. alld..lb. .15¼- —
l.c.l., 5 tons, E. dlvd.....lb. .15½- —
1,000-9,999 lbs., E. dlvd.lb. .15¾- —
50-999 lbs., E. dlvd...lb. .16 - —
phthalate-treated, bgs., c.l., (20 tons), E. frt. alld.lb. .23 - —
Pac. cst., f.o.b. terminal..lb. .23 - —
l.c.l., 5 tons, E. dlvd...lb. .23¼- —
Pac. cst., ex whse...lb. .23¼- —
1,000-9,999 lbs., E. dlvd.lb. .23½- —
Pac. cst., ex whse...lb. .23½- —
50-999 lbs., E. dlvd.....lb. .23¾- —
Pac. cst., ex whse...lb. .23¾- —
under 50 lbs.....lb. .26 - —
bbls., c.l. (20 tons), E. frt. alld..lb. .23¼- —
l.c.l., 5 tons, E. dlvd...lb. .23½- —
1,000-9,999 lbs. E. dlvd.lb. .23¾- —
50-999 lbs., E. dlvd....lb. .24 - —
pigment, barium, calcium, or magnesium base, c.l., E. frt. alld.....lb. .05⅝- —
Pac. cst., f.o.b. terminal, lb. .05⅝- —
l.c.l., dlvd .....lb. .05¾- —
Pac. cst., ex whse..lb. .05⅞- —
under 50 lbs., E. dlvd.lb. .06⅛- —
bbls., c.l., E., frt. alld...lb. .05⅜- —
l.c.l., E., dlvd.....lb. .06⅛- —
Tolidin base, distilled, kgs....lb. .80 - —
Tolu, balsam, cns.....lb. .44 - .45
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld. gal. .22 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .22 - —
Nitration, dms., wks.....gal. .28½- —
tanks, E. of Omaha, frt. alld. gal. .23½- —
Tonga vine, NF, bls.....lb. .26 - .27
root, bls. .....lb. .30 - .31
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Triacetin, dms. .....lb. .26 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .80 - —
Tributyl citrate, dms., l.c.l., dlvd..lb. .35 - —
Phosphate, dms., l.c.l., dlvd., lb. .50 - —
Tributylamines, dms., l.c.l., works lb. .70 - —
Trichloroethylene, dms., c.l., works, frt. alld. Zone A..lb. .09 - —
l.c.l., dms.....lb. .095 - —
Zone B, c.l.....lb. .105 - —
l.c.l., dms.....lb. .110 - —
Zone C, dms., l.c.l.....lb. .105 - —
Zone A is East of the Rockies; B takes in Rocky Mountain States, and Zone C represents Pacific Coast States.
Tricresyl phosphate, CP, cns., dlvd..lb. .42 - .53
dms., c.l., dlvd.....lb. .36 - —
500 lbs., dlvd.....lb. .39 - —
tech., 1, dms., c.l.....lb. .24½- —
500 lbs, dms.....lb. .25 - —
less than 500 lbs., dms.lb. .28 - .39
2, dms., c.l.....lb. .23½- —
500 lbs., dms.....lb. .24 - —
less than 500 lbs.....lb. .27 - .38
Triethanolamine, dms., c.l., works, lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl pho-phate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double-grd., bgs., c.l., works. ton.16.00 - —
once-grd., bgs., c.l., works..ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 99%, dms., wks..lb. 2.80 - 3.10
Oxide, CP, kgs.....lb. 2.90 - 3.00
tech., kgs. .....lb. 2.10 - 2.20
Turmeric root, Alleppey, bgs..lb. .05½- .05⅞
Madras, bgs.....lb. .06¼ Nom.
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .28 - —
l.c.l., 10, ex dock.....gal. .30 - —
5, ex dock.....gal. .32 - —
steam-dist., dms., c.l., dlvd.gal. .27 - —
l.c.l., dlvd.....gal. .30 - —
tanks, dlvd.....gal. .22 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, kgs.....lb. 1.50 - —
Urea, dom., 46 + % N. bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton.95.00 - —
smaller lots, f.o.b. Belle, W. Va..ton.95.00 - —
f.o.b. N. Y.....ton.101.00 - —
import, 46% N. bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt.ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse.101.00 - —
pure, cs. .....lb. .14½- .15½
Urea-ammonia liquor 55% ammon., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. NH_3 unit. 1.00 - —
Uva ursi leaves, bls.....lb. .09 - .09¼

V

Valerian root, bls.....lb. .09 - .09¼
Valonia, beards, bgs., shipt..ton.45.00 - —
Cups, bgs., shipt.....ton.32.00 -34.00
extract, powdered, 63%.....lb. .06 - —
Vanilla beans, Bourbon, tins..lb. 3.90 - 4.50
Mexican, tins.....lb. 4.50 - 5.00
cut, tins.....lb. 3.75 - 4.00
South American, tins.....lb. 3.75 - 3.80
Vanillin, ex eugenol, 25-lb. tins, lb. 2.25 - —
5-lb. tins.....lb. 2.35 - —
Vanillin, ex guaiacol, 10c. per lb. less
Venice turpentine, true, cs....lb. .42 - .44
Verdigris, bbls., kgs.....lb. .22 - .28
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .45 - .47
Tree bark, bls.....lb. .22 - .23
Wattle bark, bgs., shipt.....ton.39.75 -41.75
Extract, bbls. .....lb. .04¾- —
Wax, bayberry, import, bgs...lb. .16⅞- .17
Bees, white, bleach, slabs, cs., 500 lbs. .37 - .39
yellow, crude, Africa, bgs., lots of 10..lb. .21 - .21½
1 bg.....lb. .22 - .22½
Brazil, Chile, bgs., 5-10 tons, lb. .22 - .22½
1 ton.....lb. .22½- .23
500 lbs. .....lb. .23 - .24½
100 lbs.....lb. .23 - .23½
refd., slabs, cs., lbs.....lb. .32½- .33
Candelilla, bgs., 1 ton.....lb. .15 - .15½
jobbing lots.....lb. .15½- .16
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .33½- .34½
5 bgs.....lb. .34 - .35
1 bg.....lb. .34½- .35½
N. C. 2, bgs.....lb. .37 - .37½
N. C. 3, bgs., 1 ton.....lb. .33½- .34½
5 bgs.....lb. .34 - .35
1 bg.....lb. .34½- .35½
refined, bgs.....lb. .38 - .38½
yellow, No. 1, bgs., 1 ton..lb. .42½- .43
5 bgs.....lb. .43 - .43½
1 bg.....lb. .43½- .44
No. 2, bgs.....lb. .41½- .42
Ceresin, dom., 138°140° m.p., bgs., 1 ton..lb. .08½- —
jobbing lots .....lb. .09½- —
150°-160° m.p., bgs., 1 ton.lb. .09½- —
jobbing lots .....lb. .10½- —
160° m.p., bgs., 1 ton.....lb. .10½- —
jobbing lots .....lb. .11½- —
Japan, cs.....lb. .09¾- .10
Montan, bgs., c.l.....lb. .11 - —
5 tons.....lb. .11¼- .11½
less than 1 ton.....lb. .11½- .12
Ozokerite, hard green, congeal. p. 66°-68° C., bgs..lb. .62 Nom.
70°-72° C., bgs.....lb. .35 Nom.
74°-76° C., bgs.....lb. .38 Nom.
snow-white, pure 76°-78° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .23 - .24
cakes, cs.....lb. .24 - .25

White Lead—Zinc Oxide

White lead (see Lead, white).
White pine bark, rossed, bls...lb. .06 - .06¼
White precipitate, powd., 5-lb. bots..lb. 1.59 - —
dms., 50 lbs., or more...lb. 1.46 - —
Whiting, chalk, com'l., dry-grd., bip. bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap. bgs., c.l., works..ton.11.20 -13.50
l.c.l., works.....ton.13.20 -14.50
wet-grnd., bip., bgs., c.l., works..ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
gilder's bolted, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works..ton.14.60 -15.50
l.c.l., works.....ton.15.60 -16.50
extra bolted, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -22.50
l.c.l., works.....ton.19.00 -22.00
pap. bgs., c.l., works..ton.14.60 -17.50
l.c.l., works.....ton.15.60- 18.50
Paris white, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.60 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works.....ton.15.60 -21.50
English cliffstone (see Whiting, chalk, Paris white).
Whiting, limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l., ton. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis.ton. 8.60 - —
90% 200 mesh, paper bgs., c.l., same basis.....ton. 6.25 - —
gilders, bgs, (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, bgs., (extra), c.l., works..ton.12.50 - —
l.c.l., 8-20 tons, works, ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs., (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works....ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .04½- .05
rossed, bls.....lb. .06 - .07
thin, natural, bls.....lb. .06 - .07
rossed, green, bls.....lb. .08 - .09
Wild indigo root, bgs.....lb. .09 - .10
Witch-hazel extract, dist., NF. bbls..gal. .40 - .45
Leaves, bls.....lb. .07 - .08
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works.. ton.20.00 - —
import, 70 mesh, bgs., ex dock, ton.22.00 - —
80 mesh, bgs., ex dock....ton.24.50 - —
100 mesh, bgs., ex dock...ton.27.50 - —
120 mesh, bgs., ex dock...ton.30.00 - —
Wormseed, American, bgs.....lb. .10 - .11
Levant, bgs.....lb. 3.70 - 3.75
Wormwood, bls.....lb. .08 - .09

X

Xylol (xylene), indus., dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
nitration, dms., wks.....gal. .42 - —
tanks, E. of Omaha, frt. alld., gal. .33 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .33 - —
5°, dms., works.....gal. .37 - —
tanks, E. of Omaha, frt., alld., gal. .32 - —
10°, dms., works.....lb. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
Xylidin, mixed, dms.....lb. .35 - .3c

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.38
Yellow, cadmium, CP, import., bxs..lb. 1.50 - 2.50
Yellow, lithopone, all shades,, bbls. 1 ton, works, frt. alld..lb. .45 - —
smaller lots, same basis, lb. .50 - —
kgs., ton lots, same basis. lb .50 - —
smaller lots, same basis, lb. .55 - —
sulphide, orange, bbls., works, lb. 1.05 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N.C., E. of Miss., R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts....lb. .14½- —
open order .....lb. .15½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.37 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .03½- —
yellow, A, bbls., works...lb. .02¾- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01⅝- —
French, all shades, cks., c.l., ex dock Balto, Boston, N. Orleans, for import..lb. .02475- —
New York (f.o.b.)..lb. .02½- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle ..lb. .03 - —
San Pedro, S. Francisco..lb. .0290- —
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575- —
New York .....lb. .02½- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle....lb. .03⅛- —
San Pedro, S. Francisco..lb. .03 - —
ex whse., Balto., Boston, N. Orleans..lb. .02725- —
Chicago, E. St. Louis, Ind'polis, K. City, Milwauk., St. Louis, lb. .03⅝- —
Minneapolis .....lb. .03½- —
New York .....lb. .02¾- —
Pittsburgh .....lb. .03¼- —
Portland, Seattle....lb. .03⅜- —
San Pedro, S. Francisco..lb. .03¼- —
f.o.b. N. Y., from dock, lb. .02¾- —
from whse. .....lb. .02⅞- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem Easton, N.Y. lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works..lb. .06½- —
l.c.l., works .....lb. .06¾- —
Persian orange (see O).
Zinc, bbls., same basis chrome CP. contracts..lb. .18 - —
open order .....lb. .19 - —
Yellow dock root, bls.....lb. .09 - .10
Yellow root (xanthoriza), bls..lb. .09 - .10
Yerba santa leaves, bls.....lb. .08½- .10
Yohimbine hydrochloride. vls..oz. 2.50 - 2.55

Z

Zinc acetate, tech., bbls., dlvd., lb. .21 - —
USP., bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenate, bgs., cs., c.l., dealers. E. of Rockies..lb. .12½- —
c.l., bgs., cs.....lb. .13 - —
Arsenite, bgs., cs., c.l., dealers, E. of Rockies..lb. .12½- —
W. of Rockies, bgs....lb. .12½- —
l.c.l., bgs., cs.....lb. .13 - —
W. of Rockies, bgs....lb. .12⅝- —
Zinc arsenate and arsenite prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls..lb. .31 - —
dms. .....lb. .36 - —
kgs. .....lb. .33 - —
Chloride, fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
l.c.l., dms., works.100 lbs. 5.75 - —
USP, 200-lb. dms.....lb. .25 - —
25 lb. jars.....lb. .31 - —
solut., dms., wks.....lb. .04¼- —
tanks .....lb. .0226- —
Cyanide, kgs., works.....lb. .33 - —
Dust, bbls., c. l., dlvd.....lb. .06¾- —
l.c.l., bbls., dlvd.....lb. .07¼- —
Fluoride, bbls.....lb. .20 - .25
Iodide, N.F., bots.....lb. 4.35 - —
jars .....lb. 4.20 - —
Metal (see daily quotations in Market report)
Oxide, pigment, dom., Amer., process, coml., lead-free, bgs., c.l., dlvd..lb. .06¼- .07⅛
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
ex whse., Pac. cst., lb. .06½- .07¾
bbls., c.l., dlvd...lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst..lb. .06¾- .08
leaded, 5%, bgs., c.l., dlvd..lb. .06¼- —
l.c.l., dlvd., except ex whse.,Pac. cst.lb. .06⅜- —
bbls., c.l., dlvd....lb. .06⅜- —
l.c.l., dlvd., except Pac. cst..lb. .06⅝- —
ex whse., Pac. cst.lb. .06⅝- —
35%, bgs., c.l., dlvd.lb. .0590- —
l.c.l., dlvd., except Pac. cst..lb. .0615- —
ex whse., Pac. cst. lb. .0615 - —
bbls., c.l., dlvd.....lb. .0615- —
l.c.l., dlvd., except Pac. cst..lb. .0640- —
ex whse., Pac. cst. lb. .0640- —
50%, bgs., c.l., dlvd. lb. .0592- —
l.c.l., dlvd., except Pac. cst..lb. .0617- —
ex whse., Pac. cst.lb. .0617- —

KREBS C.P. ZINC YELLOW

NOTED FOR ITS NON-REACTIVITY AND SUPERIOR SUSPENSION

HERE'S an important Krebs pigment preferred by the most exacting paint technologists. It is used in both undercoats and finishing coaters...and has 3 remarkable qualities which insure successful application in rust inhibitives, flats, enamels, and light resistant greens:

• 1. C. P. ZINC YELLOW has unusual anti-corrosive properties. • 2. C. P. ZINC YELLOW has a recognized cleanness and brilliance. • 3. C. P. ZINC YELLOW is substantially unaffected by hydrogen sulphides and light.

We'd like to send you detailed information about C. P. ZINC YELLOW and other outstanding Krebs pigments—and to show you how they will help produce higher quality paints. Feel free to write for technical aid.

KREBS REG U.S. PAT. OFF.
PIGMENTS FOR PAINT
Krebs Pigment & Color Corp.
1007 Orange Street,
Wilmington, Delaware

Zinc, oxide, pigment, dom., Amer. process leaded, 50%, bbls., c.l., dlvd..lb.	.0617-	—
l.c.l., dlvd., except Pac. cst..lb.	.0642-	—
ex whse., Pac. cst.lb.	.0642-	—
French process, com'l lead-free, bgs., c.l., dlvd..lb.	.06¼-	.07⅛
l.c.l., dlvd., except Pac. cst..lb.	.06½-	.07¾
ex whse., Pac. cst.lb.	.06½-	.07¾
bbls., c.l., dlvd.....lb.	.06½-	.07¾
l.c.l., dlvd., except Pac. cst..lb.	.06¾-	.08
ex whse., Pac. cst.lb.	.06¾-	.08
green seal, bgs., c.l., dlvd.. lb.	.08 -	—
l.c.l., dlvd., except Pac. cst..lb.	.08¼-	—
ex whse., Pac. cst..lb.	.08¼-	—
bbls., c.l., dlvd.....lb.	.08¼-	—
l.c.l., dlvd., except Pac. cst..lb.	.08½-	—
ex whse., Pac. cst..lb.	.08½-	—
red seal, bbls., c.l., dlvd...lb.	.07¾-	—
l.c.l., dlvd., except Pac. cst..lb.	.07¾-	—
ex whse.. Pac. cst..lb.	.07¾-	—
bbls., c.l., dlvd.....lb.	.07¾-	—
l.c.l., dlvd., except Pac. cst..lb.	.08 -	—
ex whse.. Pac. cst..lb.	.08 -	—
white seal, bgs., c.l., dlvd., lb.	.08¼-	—
l.c.l., dlvd., except Pac. cst..lb.	.08¾-	—
ex whse., Pac. cst..lb.	.08¾-	—
bbls., c.l.....lb.	.08¾-	—
l.c.l., dlvd., except Pac. cst..lb.	.09 -	—
ex whse.. Pac. cst..lb.	.09 -	—

Zinc, oxide, import, gold seal, cks., ex whse..lb.	.13 -	.14
green seal, bbls., ex whse., lb.	.10 -	—
white seal, cks., ex whse., lb.	.11 -	.12½
USP, bbls., c.l.....lb.	.09½-	—
Palmitate, bbls.....lb.	.23 -	.25
Resinate, fused, pale, bbls...lb.	.10 -	—
precip., dms., dlvd.....lb.	.15 -	—
Stearate, tech., precip., bbls., ctns., c.l..lb.	.20 -	—
l.c.l., 1 ton.....lb.	.21 -	—
1,000-2,000 lbs.....lb.	.22 -	—
less than 1,000 lbs..lb.	.23 -	—
U.S.P., bbls.....lb.	.21 -	.23
Sulphate, cryst., bgs., c.l.100 lbs.	2.75 -	—
l.c.l. .....100 lbs.	3.50 -	—
bbls., c.l. .....100 lbs.	2.90 -	
l.c.l. .....100 lbs.	3.65 -	—
flake, bgs., c.l. .....100 lbs.	3.10 -	—
l.c.l. .....100 lbs.	3.85 -	—
bbls., c.l. .....100 lbs.	3.25 -	—
l.c.l. .....100 lbs.	4.00 -	—
l.c.l. .....100 lbs.	5.10 -	—
bbls., c.l. .....100 lbs.	4.50 -	—
l.c.l. .....100 lbs.	5.25 -	—
Sulphide, bgs., c.l. (20 tons), dlvd..lb.	.08¾-	—
l.c.l., dlvd. E. or ex whse., Pac. cst..lb.	.08¾-	—
bbls., c.l. (20 tons), dlvd..lb.	.08¾-	—
l.c.l., dlvd. E. or ex whse., Pac. cst..lb.	.08¾-	—
Sulphocarbolate, NF, bbls...lb.	.24 -	.26
Zinc-ammonia chloride, dms., c.l., works..100 lbs.	5.15 -	—
l.c.l., works.....100 lbs.	5.50 -	—
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb.	.05 -	—
l.c.l., dlvd., except Pac. cst..lb.	.05½-	—
ex whse.. Pac. cst..lb.	.05½-	—

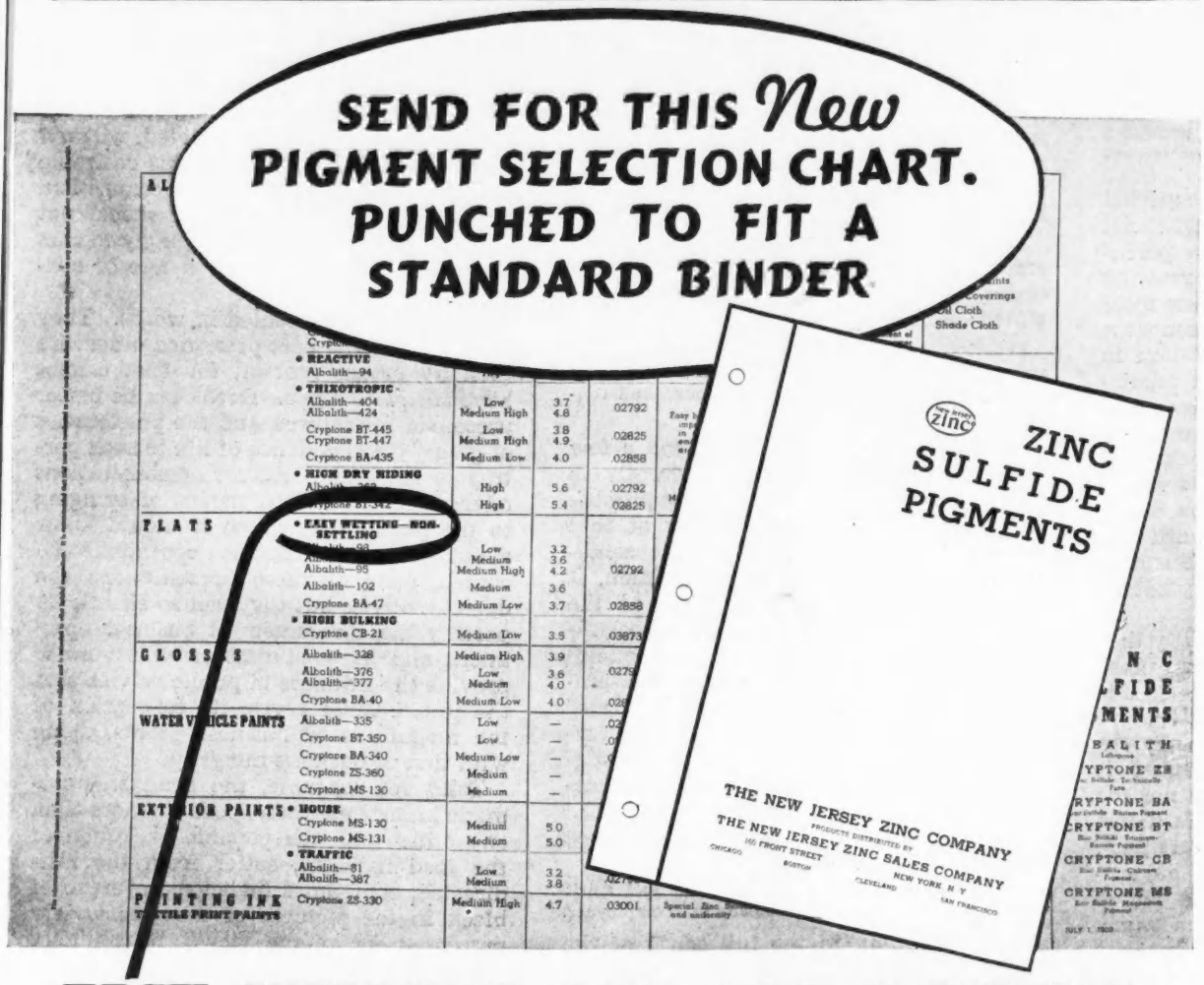
Zinc Oxide—Zirconium

Zirconium nitrate, kgs., work..lb.	3.00 - 4.00
Oxide, crude, 73-75%, grd., bbls., works..ton.	75.00 -100.00
kgs., small lots, works...lb.	.04¼- .04⅛
white, 98%, rgd., kgs., works, lb.	1.40 - 1.52

Synthetic Resins and other Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the August 1 issue; the next printing will be in the September 5 issue. Changes in prices—in any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials Market, which begins on page 31.



EASY WETTING AND NON-SETTLING ALBALITH LITHOPONES

A group of lithopones designed especially to correct settling tendencies in flats—and to impart to paints all the color and hiding characteristics for which Albalith lithopones are noted.

From these lithopones, available in a range of consistencies, you can select a pigment to adequately meet your particular requirements.

These easy wetting pigments produce different types of paint consistency and body with different types of vehicles, and we suggest a trial in your liquid formula.

We shall be glad to send samples on request.

Low—Albalith-73 Medium—Albalith-95 High—Albalith-98 and 102
Also available as Cryptone—BA-47—for higher strength.

THE NEW JERSEY ZINC COMPANY
160 FRONT ST. NEW YORK

Trade Briefs

Celanese Corporation of America has been granted eighteen patents relating to fused fabrics.

American Zirconium Corporation, Baltimore, plans the erection of an acid recovery plant.

Lone Star Gas Corporation, Pittsburgh, Pa., has issued $20,000,000 convertible 3½ percent debenture bonds, due 1958.

International Products Corporation, this city, has re-acquired 3,288 shares of its preferred stock, making the total now held 4,928 shares.

George H. Jackle, fertilizer materials broker, this city, has returned to his office after spending five weeks vacation at Spring Lake, N. J.

Iraq Petroleum Company, Ltd., subsidiary, Basrah Petroleum Company, has signed a concession granting right to prospect for oil in Southern Iraq.

Chipman Chemical Company, Bound Brook, N. J., plans to build a sulphur grinding plant in Houston, Texas, at a cost estimated at $200,000. A site for the development has not been selected.

E. I. duPont de Nemours & Co., Wilmington, plans an erection of an addition to its rayon plant at Ampthill, Va., at an approximate cost of $1,000,000. Completion of the project was expected in early 1939.

"Synthetics Used in Perfumery" is the title of the leading article in the September issue of Synthetic Organic Chemicals, periodical publication of the Eastman Kodak Company, Rochester, N. Y.

Pyroxylin plastic factory is nearing completion at Canella, State of Rio Grande do Sul. The new enterprise is the property of the firm of Emilio Dienestmannblue and is capitalized at 1,000 contos.

E. I. du Pont de Nemours & Co., Wilmington, Del., has developed a new grade of "nitramon" blasting agent to be known as "nitramon" No. 2. The new blasting agent is slower than the regular grade.

Consolidated Rock Products Company, Los Angeles, reorganization plan, which also covers its subsidiaries, the Consumers Rock & Gravel Company and the Union Rock Company, has been approved by Federal Judge Holtzer.

Scott Paper Company, Chester, Pa., directors have authorized a new issue of 30,000 cumulative preferred shares. Stockholders, at a meeting August 15, approved a reduction in the authorized preferred from 133,305 shares to 130,000 shares.

W. W. Bell, sales manager for the chemical division of the Celluloid Corporation, Newark, N. J., who recently underwent an operation for the removal of a cartilage as a result of dislocating his knee when he slipped off a curb in Cleveland, Ohio, returned to his desk August 2.

Sherwin-Williams Company sales staff in the Baltimore district held a conference August 10-12, in which plans for the coming fiscal year, which starts September 1, were discussed. The group discussed the new slogan, "Green Lights Ahead for 1938-39," and some of the new products to be marketed. George Stegner, manager of the Baltimore office, presided.

Dividends Declared

Class and period.	Amt.	Pay.	Record.
American Safety Razor Corp. (Q)....	$0.40	Sept. 30	Sept. 10
Canfield Oil Co. Pfd. (Q)	1.75	Sept. 30	Sept. 20
Chesebrough Mfg. Co. Com. (Q).....	1.00	Sept. 26	Sept. 2
Chesebrough Mfg. Co. Com. (extra).....	.50	Sept. 26	Sept. 2
Cook Paint & Varn. Co. Com. (Q).....	.15	Sept. 1	Aug. 19
Cook Paint & Varn. Co. Pfd. (Q).....	1.00	Sept. 1	Aug. 19
E. I. du Pont de Nemours & Co. Com. (interim)	.75	Aug. 22	Aug. 14
E. I. du Pont de Nemours & Co. Deb. (Q)	1.50	Oct. 25	Oct. 10
E. I. du Pont de Nemours & Co. (Pfd. (Q)	1.12½	Oct. 25	Oct. 10
International Safety Razor Corp. (Q).....	.60	Sept. 1	Aug. 25
Humble Oil &, Refining Co. Com.....	.62½	Oct. 1	Sept. 1
Katz Drug Co. Pfd. (Q)	1.12½	Oct. 1	Sept. 15
National Oats Co (Q)..	.25	Sept. 1	Aug. 20
Paraffine Co. Com. (Q)	.50	Sept. 27	Sept. 10
Peoples Drug Stores Com. (Q).....	.25	Oct. 1	Sept. 8
A. E. Staley Mfg. Co Pfd. (Q).....	1.25	Sept. 20	Sept. 10
Standard Oil Co., Ohio Com. (Q).....	.25	Sept. 15	Aug. 31
Standard Oil Co., Ohio Pfd. (Q).....	1.25	Oct. 15	Sept. 30

Oil, Paint and Drug Reporter

Founded October 18, 1871, by
William O. Allison

Published every Monday by Oil, Paint and Drug Publishing Company, Inc., Harry J. Schnell, President and Treasurer; Frank V. Baldwin, Vice-President; Daniel G. Bogert, Secretary. Address 59 John Street, New York, New York. Telephone JOhn 4-2357. Cable Address Reporter New York.

Incorporating the Drug, Paint and Oil Trade, the New York Drug Bulletin, The Weekly Drug News, the New York Druggists' Price Current, The Soap Makers' Journal, the Oil and Paint Review and International Petroleum Reporter.

Subscription rates including postage in the United States, possessions and territories, one year, $5.00; two years, $8.00; Canada and Newfoundland, one year, $7.00; two years, $12.00; other foreign countries, one year, $10.00; two years, $18.00.

Entered at the Post Office of New York as second class matter January 15, 1884, under the act of March 3, 1879.

Copyright, 1938, by
Oil, Paint and Drug Publishing Company, Inc.

Vol. 134 August 22, 1938 Number 8

Time Now for Tax Planning

Unless as the result of some unexpected national emergency Congress will not enter upon its perennial task of revising the revenue law until more than four months hence; but ideas for its consideration in that task are being developed in administration circles. These ideas are still widely divergent in most respects, the closest approach to agreement being on the extension of the scope of the individual income tax. The time is far too short, however, for business to wait until the ideas have been crystalized. Business should have its own tax plan ready before Christmas.

There is no denying the desirability that business have a fully developed tax plan; this, in truth, is actually necessary; for business is the taxpayer of the nation, and it should determine what it will pay for and how much and in what manner it will pay. Four months is clearly not too much time for the making of this determination. So, business should start now.

All the exposition of ideas, governmental and other, on tax plans leaves much to be desired in the way of a sound, equitable system. Opposition there is to hidden taxes in some quarters, but these are only the taxes that burden the opposing interests; the widely spread and more deeply hidden taxes that are handicapping to all get little, if any, attention, although further extension of one sort of these—the so-called "nuisance" taxes—is promised by those in authority.

A return to the old surplus profits tax is being vigorously urged. Business should provide a practicable substitute, one that will permit necessary expenditures but at the same time will prevent the impounding of stockholders' earnings for management to play with. Business should be fair to itself in its consideration of surplus profits, fair to ownership and to wage-earners, as well as to management. Fairly treated stockholders may be expected to reciprocate in time of need—and wage-earners too.

The only equitable tax is a universal individual gross income tax. But, this should be the only Federal tax. There must be no supplementary taxes, pyramided to the individual from the levies on corporation earnings or on any manufactured products. Let taxation be open.

A Move for Business Peace

Measured in terms of real and lasting values, the greatest contribution to the welfare of business ever made by the National Association of Manufacturers is that represented by its collation of a number of plans for the development and maintenance of satisfactory employer-employee relations, with a commentary on fundamental procedures applicable to such undertakings. This is a superlative achievement because, first, it is directed to the betterment of the internal affairs of business, and, secondly, it recognizes that neither management nor ownership, separate or together, wholly constitutes an operating business entity.

If this broad recognition of the interdependence and mutual responsibility of all elements of business, particularly of management and wage-earner, had been reached and accepted fifty years ago, much, if not most, of the trouble with which business has since been beset would have been avoided. Especially, by eliminating the necessity that wage-earners more or less desiringly accept outside help on their side of mutual problems, would such recognition have avoided the costly and destructive consequences of the entrance of a third sharer in whatever gains might be sought.

One of the fundamentals set out by the association in respect of general procedure in employer-employee relations is stated as follows:—

> Free interchange of ideas between management and employees in all matters and company policies of mutual interest, such as wages, hours, and conditions of employment.

Adoption of that procedure even a few years ago would have helped greatly to avoid the enactment of the inequitable labor relations act—the inequity of that statute was not bred by equitable conditions. Excellent as is the suggestion, it still, standing alone, falls short of the definiteness that should mark the declarations of business with reference to policies as important as those of employer-employee relations. "Interchange of ideas" may be nothing more than conflicting verbosity. But, the high purpose of the suggestion is saved by these two which accompany it:

> A mutual respect and consideration by each for the problems and viewpoints of the other.
>
> Scrupulous observance in both letter and spirit of all commitments by the company to its employees.

Consideration, in the full sense of the term, is the most potent factor that can be applied to the satisfactory settlement of disputes or to their prevention. It is the opposite of regimentation or coercion, the objectionableness of which, by whatever agency applied within or to business operations cannot be questioned. The mutual consideration suggested in employer-employee relations is the one thing that can reasonably be expected to provide mutual satisfaction. If it is properly developed—and there is no sound reason why it cannot be in spite of difficulties on both sides that must be obvious—business will have attained peace and prosperity.

—O-P-D—

Brilliance Or Glitter

Idols may fall, but they are not quickly forgotten. This is particularly true in the realms of business, where the clearly demonstrated fact that an idol not only had feet of clay, but was also equipped with soft-rubber legs and a caseous head has not sufficed to convert its worshippers. The Colossus of 1929 is still the god of the unthinking.

Profoundly it is pronounced that the building outlook is now the brightest since the 1929 boom. Such mistaking of the glitter of those days for brilliance to be emulated can do the building industry no good. Building construction is picking up; its conditions are far brighter than they were a few years ago—and there appears to be a soundness about the recovery which indicates that the brightness is more promising than the surface dazzle of a decade ago turned out to be.

A repetition of the predepression boom in building is more to be guarded against than sought. The construction industries need a long, stable existence. They must not allow speculating men-of-the-hour to lead them into a few fat years and leave them again in a decade of lean ones.

—O-P-D—

Let the Public See It

Much talk there is—and it is to an important point—that the cultivation of proper public relations is the primary problem of business at this time. Words alone, no matter how ably composed, how effectively presented, how widely circulated, will not suffice for the attainment of this desirable and useful condition. In this connection, beyond all doubt, deeds will speak, not only louder, but more convincingly to ears that have heard full many a tale of misdeeds.

Deeds can be presented in words. They must be in large part presented otherwise than by actual contact; for that cannot have adequate scope. Deeds can be better presented in pictures, and the possibilities of giving the semblance of life to such portrayals are great. Actual demonstrations offer perhaps the best means of bringing to the public that which it should know about how business is operated. Of course, none of these presentations can depict motives, but they can so effectively portray the carefulness of business operations and the costliness of endeavors to provide the ultimate in public service that the public must revise its conception of the magnitude of business profits, along with that of business integrity.

Take, for example, the drug and cosmetic industries: these, perhaps more than any other with the possible exception of the food industry, suffer from the misdirected, sometimes malicious, overuse of black in the pictures of them so widely presented for public view. It is highly desirable that these industries engage in a campaign of competitive picturization—not to paint their detractors in more or less deserved Plutonic shades, nor to portray themselves arrayed in shining garments and imposingly haloed; but to depict themselves as they are and in what they are doing.

How to do this? Well, there is going to be a rather large gathering of members of the public in these parts over several months, beginning some time next Spring—the occasion will be what is popularly known as a "World Fair." This, it seems, will afford an opportunity for business, including the drug and cosmetic industries, to show itself to the public. The sort of exhibition business, especially the drug and cosmetic industries, makes will, of course, depend on its concept of the purpose of showing itself and its ability to present this conception intelligibly to the public. There will be opportunity, particularly for the drug and cosmetic industries, to portray themselves in the true colors of all that they do to make their products satisfactory—and safe—for the public.

CITRIC ACID

POTASSIUM CITRATE

SODIUM CITRATE

PFIZER QUALITY

MANUFACTURING CHEMISTS SINCE 1849

CHAS. PFIZER & CO., INC.

NEW YORK
81 MAIDEN LANE

CHICAGO
444 W. GRAND AVE.

TURNER
PHOSPHORIC ACID
(BY-PRODUCT MATERIAL)
Available in Tank Cars and Drums
JOSEPH TURNER & COMPANY
83 EXCHANGE PL. PROVIDENCE
RIDGEFIELD, N. J. 630 FIFTH AVE., NEW YORK
40TH ST. & CALUMET CHICAGO

SULPHURIC ACID
DRUMS CARBOYS TANK WAGONS
LIQUID CAUSTIC SODA
DRUMS TANK WAGONS
A. H. MATHIEU & COMPANY
7-11 Getty Avenue - - Paterson, N.J.
Telephone SHerwood 2-3080-1-2
140 Tremont Street - - Everett, Mass.
Telephone EVerett 2731

...a dependable source of supply
CAUSTIC SODA
Stauffer
BORIC ACID . CARBON TETRACHLORIDE : BORAX
TITANIUM TETRACHLORIDE : CAUSTIC SODA : SULPHUR
CHLORIDE : SULPHUR : SILICON TETRACHLORIDE
CREAM OF TARTAR : SULPHURIC ACID : CARBON
BISULPHIDE : TARTARIC ACID : WHITING
STAUFFER CHEMICAL COMPANY
2710 Graybar Bldg. New York, N.Y.
636 California St. San Francisco, Cal.
Carbide and Carbon Bldg. Chicago, Ill.
Rives-Strong Bldg. Los Angeles, Cal.
Freeport Texas
Stauffer

Exclusive Distributors for DUVAL TEXAS SULPHUR COMPANY
ASHCRAFT-WILKINSON CO.
ATLANTA, GEORGIA
Charleston, S. C. Jacksonville, Fla. Wilmington, N. C. Norfolk, Va Jackson, Miss.
SULPHUR
99½% Pure
Shipments from Boling Dome and
A new production from ORCHARD DOME
Heavy Chemicals and Fertilizer Materials

BLUE VITRIOL
IRVINGTON SMELTING & REFINING WORKS
IRVINGTON NEW JERSEY
NEW YORK OFFICE
30 CHURCH ST.

Heavy Chemicals

Alkalies Moving in Better Volume—Strontium Nitrate Reduced —Barium Nitrate Lower—Sulphuric Acid Continues Quiet —Tin Salts Steady—Alums Remain Firm

Some measure of improvement was noted here and there in the market for heavy chemicals last week. Shipments of certain alkalies were continuing to move in better volume primarily as the result of improvement in the textile industry. However, a seasonal letdown in some consuming channels continued to moderate demand for certain chemicals. Chemical processors were looking forward to the Fall for improved industrial operations. Price changes included fractional reductions in barium nitrate, domestic and imported strontium nitrate.

Alkalies continued to show gradual improvement, reflecting to a large extent the sharp increase in rayon activity. Glass industry was also more active. A contraseasonal advance in crude rubber consumption was attributed to marked improvement in replacement tire sales due to warm weather. Orders for paper in most lines have shown sharp increases, the better buying will be reflected almost immediately in heavier producing schedules, since producers had permitted stocks to run down appreciably in the last few months. Automotive output reaches its seasonal low, and operations were expected to increase gradually. Steel operations were scheduled at 40.4 percent of capacity, the best showing so far this year.

Water treating chemicals continue to display a fair demand. Chlorine was firm. Anhydrous ammonia and carbon dioxide enjoyed a good call because of the excessive heat. Calcium chloride was in slightly better demand, although wet weather has considerably retarded business so far this season. Antimony was dull. Arsenic continued quiet. Alums were steady. Outlook for nickel salts, chromic acid and the cyanides was favorable. Potash salts were spotty. Acetic acid noted some improvement from the rayon industry. Sulphuric acid remained comparatively quiet. Agricultural insecticides and fungicides were quiet, calcium arsenate withdrawals were on a moderated scale. Tin salts were steady.

Alums.—The paper, water treating and textile consuming channels provided the chief interest in the market for various alums again last week. Withdrawals of ammonia, potash, hydrate and alumina sulphate commercials and iron-free were reported as moving at a fairly steady pace. Price schedules for the various alums were well sustained at previously established levels.

Ammonia, Anhydrous.—The continuance of warm weather in most sections of the country kept interest in the market at fair levels throughout the week just closed. Quotations were without alteration.

Ammonia Bifluoride.—Interest for sterilizing and general disinfectant purposes was only fair throughout the week under review. No change was disclosed in the quotations.

Ammonia Perchlorate.—Business in this direction was quiet, and interest was confined to urgent requirements only. Prices were without change.

Antimony. — Dullness continued to characterize dealings in the market for domestic antimony. Quotations for spot metal was unaltered at 10¾c. per pound.

Antimony Oxide.—There was comparatively little feature to the market last week, with interest from the enameling trade held to routine proportions. Quotations were unchanged.

Arsenic.—The market for red and white arsenic offered little in the way of renewed buying interest by majoring consuming interests. The color trade was displaying some interest for the red material, the glass and ceramic trades, however, were making cautious commitments. Some interest was attached to the announcement of the Mexican export tariff, but so far no developments have taken place. Quotations were without change.

Barium Nitrate.—Quotations were revised fractionally downward at 6¾c. to 7¼c. per pound, according to quantity. Interest in the market was at relatively quiet levels.

Bleaching Powder.—Usual consumers of this material were coming in the market for fair sized quantities. The call came from bleaching disinfectant and sanitation consuming channels. Quotations were in conformity with the preceding period.

Blue Vitriol.—While the demand for horticultural purposes has shown the usual seasonal decline, reports were to the effect commercial demand was holding up very well. Interest in the export market was well maintained. The price tone continued firm.

Calcium Carbide.—Business in this direction was still on the quiet side, demand from chemical processors and metallurgical trades was held to modest levels in the majority of instances. Quotations ruled steady to firm. About 125 tons of calcium carbide is imported annually into Nicaragua. Normal developments of gold mining operations during the next few years is expected to lead to an annual increase of approximately 100 tons in consumption of carbide, according to the American consulate at Managua.

Calcium Chloride.—A slight improvement in business was reported in some sections last week. Wet weather in many localities has retarded the normal movement of this material, and business was reported to be below the same period a year ago. Quotations were steady to firm.

Carbon Dioxide.—The continuance of hot weather was a beneficial factor in creating an active interest from major consumers of this material for refrigerating purposes. Other consumers likewise showed a fair interest in the market. No change was uncovered in the price schedule.

Chlorine.—A fair interest was reported in the market for water purification and sanitation purposes. A better interest was anticipated from the paper industry as the result of improved demand, which is expected to be reflected almost immediately in heavier producing schedules, since producers had permitted stocks to run down appreciably in the last few months. Quotations ruled firm.

Copper.—Even though daily purchases of copper by domestic consumers during past few weeks have been small in volume, deliveries of copper by producers to home users against old contracts so far during the current month have been running in quite satisfactory volume. It was stated that consumer takings to date in August from producers will result in a good sized increase over the July total of 41,249 tons, which was the best monthly figure to be reported for the year to date. On this basis it appears that August will witness another substantial decline in refined stocks on hand, making it the third successive month of decreases. In the foreign market activity was curtailed by the observance of a holiday

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Barium nitrate, ¼c. per lb.
Strontium nitrate, dom., ½c. per lb.
imported, ½c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
149.2	149.2	149.1	154.4

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.6	99.6	99.6	99.8

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

on the Continent in the early part of the week, but later in the week foreign buying was reported in good volume. Japanese interests are seeking additional tonnages, it was reported. Quotations ranged from 10.03c. to 10.07c. per pound, c.i.f. European base ports.

Copper Salts.—A steady to firm tone prevailed in the market for various copper derivatives last week. Movement of material was usually confined to small lots.

Feldspar.—There was not a great deal to report in the market last week. Interest from the abrasive, cement and ceramic trades was combined to nearby quantities. Pricewise the market was steady to firm.

Glauber's Salt. — Sellers could report some improvement from important consuming interests such as the dyestuff, textile and leather channels. Price schedules were without alteration.

Magnesite. — Quiet conditions prevailed in the market during the past week. Interest from the building and metallurgical trades was confined to actual needs. Prices were well maintained at previous levels.

Nickel Salts. — The outlook for this material was considerably improved, with reports of early production schedules for 1939 automobile models, augurring well for increased interest from the plating trade. Current business was described as quiet. Prices ruled firm.

Phosphorous.—Dealings in the market for red and yellow phosphorous was quiet. The call from the match industry was still along moderate lines. Pricewise the market continued unchanged.

Potash Carbonate.—The market was described as fairly active in some directions, with the textile industry showing a better interest, while commitments from the glass and soap industry was along routine lines. No change was reported in the quotations.

Potash, Caustic.—A slight improvement was uncovered in the market, textile consumers were reported making a better inquiry at times, while other leading consumers were showing a moderate interest. Prices scheduled were steady to firm.

Potash Chlorate. — The market failed to display any increased interest from important consumers for explosives. Activity in the match industry was reported as quiet, although the prospects have improved since the early summer. Quotations ruled unchanged.

Potash Cyanide. — Quiet conditions again prevailed in the market. Withdrawals by the electroplating and metallurgical trades was along conservative lines. No change was reported in the quotations.

Saltcake. — While interest from the glass industry continued highly irregular, some improvement in this direction was reported recently, with large producers commencing operations on a modified scale. The glass container industry was reported at fair levels, while plate glass was expected to show some acceleration from the automotive trade. Quotations were steady to firm.

Soda Ash.—Shipments were reported moving at a fair level for this time of the year. Sellers are able to point to some improvement over the same time a month ago, reflecting improvement in the textile trade principally. Price schedules were without alteration.

Soda Bicarbonate.—The call from the foodstuff and pharmaceutical trades proceeded along fairly steady lines throughout the past week. Quotations were maintained at previous levels.

Soda Bisulphite.—The market showed moderate improvement, with interest from the textile and leather industry showing signs of reviving. Quotations were in conformity with the preceding period.

Soda, Caustic. — Reports of increased activity in the rayon industry was reflected in a better movement of this material, interest from some glass and rubber consumers was slightly better, too, while other large consumers were showing a fair interest in the market.

Soda Cyanide.—While the immediate picture continued dull, prospects of improved demand from the electroplating and metallurgical trades continued bright. Resumption of early production schedules on the new automobile models was expected to result in commitments from this source shortly. Price tone remained steady to firm.

Soda Hyposulphite.—A fair amount of business was uncovered in this direction, with the textile and leather industries supplying a better demand. Quotations ruled unchanged.

Soda Metasilicate. — Laundries and bottling plants were reported showing a steady call for this material. The market offered no change in prices.

Soda Nitrite.—A better inquiry from dyestuff manufacturers and textile consumers was reported in some sections of the country where operations have shown improvement. Prices remained unaltered.

Soda Prosphate.—The market offered nothing new in the way of important developments, but sellers could point to a fairly steady demand from the numerous consuming channels last week. Price schedules were without change.

Soda Silicate.—The call from the paper products and adhesive channels was along fair lines throughout the week just ended. Converters have been reported receiving sharply larger orders for boxes.

Strontium Nitrate.—Quotations for the domestic and imported material were lowered ½c. per pound. The new schedule follows:—Barrels, car lots, works, 7¾c. per pound; 25 barrels and over, 8¼c. per pound, and one to four barrels, 8¾c. per pound. Business in the market was described as only fair.

Sulphur, Refined.—Interest from major consuming channels continued at a moderate pace. However, improvement in some basic consuming industries provided a better inquiry. Prices were in conformity with the previous period.

Tin Salts.—The market for various tin derivatives was steady to firm last week. Tin crystals were quoted at 34½c. to 35c. per pound; anhydrous tetrachloride of tin 22c. per pound and soda stannate 29c. to 32c. per pound, all unchanged from the previous week. Straits tin was quoted at 43c. per pound. Business was reported at slightly improved levels last week.

Zinc Sulphate:—Pricewise the market continued steady to firm. Business was proceeding at a fair pace, although in the majority of instances commitments were confined to nearby production requirements.

Acids

Business in the market for mineral acids continued at a moderate pace. However, sellers could point to some improvement from the textile and leather industry. The market offered nothing new in the way of price changes, and a steady to firm tone prevailed in practically all directions. Improvement in the rayon industry was reflected in a better demand for acetic. Formic displayed a steady tone. Outlook for chromic seemed definitely improved. Gallic, muriatic and lactic were only moderately active. Oxalic enjoyed a broad demand. Nitric showed slight improvement in some directions. Sulphuric acid remained comparatively quiet.

Acetic.—Improvement in the rayon industry was reflected in a better demand from this source, other large consumers were displaying a routine interest in the market. Price schedules remained unchanged.

Chromic.—Demand from the plating trade continued quiet, however, reports of early resumption of production schedules by the automotive industry augured well for increased demand from this source. Prices were unchanged.

Formic.—A steady to firm tone prevailed in the market, business was along moderate lines for the most part, with principal consumers covering for nearby requirements.

Gallic.—A fair inquiry was reported at times throughout the week just closed. Pricewise the market remained unchanged.

Lactic.—Dealings in the market were confined to nearby needs, with the foodstuff and leather industry reported making fair commitments. Quotations ruled the same.

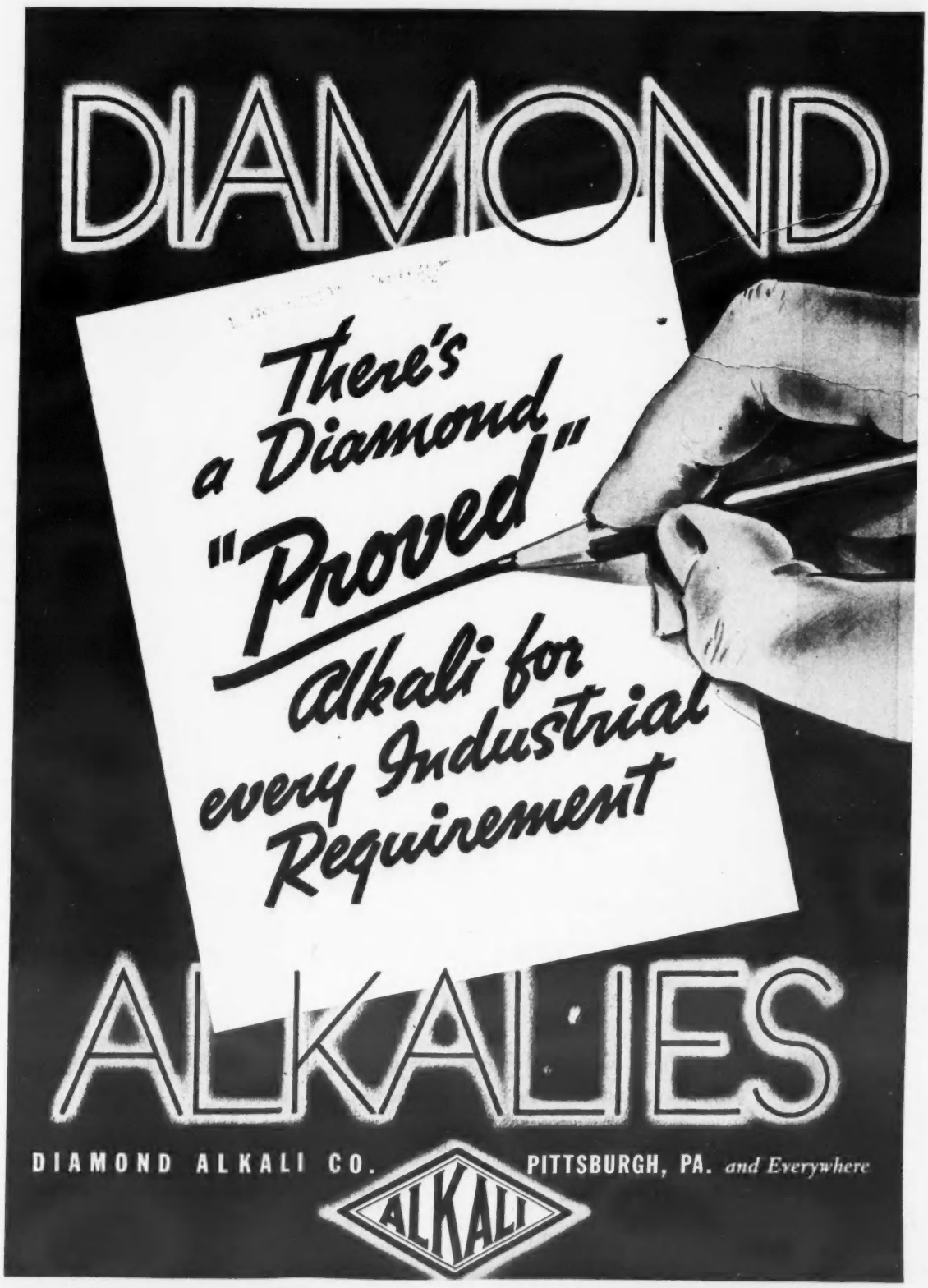
Muriatic.—Developments of importance were conspicuous by their absence, and only a routine interest was uncovered in the market. A steady to firm tone remained in evidence.

Nitric.—A slightly improved demand was revealed in some directions, but on the whole the market failed to show any unusual activity. No change was disclosed in the quotations.

Oxalic.—The market continued to enjoy a fairly broad demand, with reports of fairly large commitments making their appearance from time to time. Quotations ruled firm.

Sulphuric.—The market for sulphuric acid continued comparatively quiet. The

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7



SOLVAY PRODUCTS

TRADE MARK REG. U. S. PAT. OFF.

IN purchasing alkalies there is no more direct route to complete satisfaction than ordering from *Solvay*. You get not only high quality products that are dependably packaged and promptly delivered at a fair price . . . but the kind of service that fully considers your particular, individual convenience.

Soda Ash
Caustic Soda
Modified Sodas
Special Alkalies
Heavy Duty Cleansers
Nitrite of Soda
Liquid Chlorine
Calcium Chloride
Caustic Potash
Liquid—Flake—Ground—Solid—Lump
Ammonium Chloride
Para-dichlorobenzene
Ortho-dichlorobenzene
Ammonium Bicarbonate
Potassium Carbonate
Liquid—Granular Hydrated—Dustless Calcined
47% 83-85% 98-100%

SOLVAY SALES CORPORATION

Alkalies and Chemical Products Manufactured by The Solvay Process Company

40 RECTOR STREET NEW YORK, N. Y.

Branch Sales Offices:

Boston	Cincinnati	New Orleans	Pittsburgh
Charlotte	Cleveland	New York	St. Louis
Chicago	Detroit	Philadelphia	Syracuse

We are always ready to discuss, with interested Companies or individuals, actual or potential uses for the type of chemicals we manufacture. This advisory service of our laboratory and staff always is treated with the strictest confidence. Pertinent inquiries are welcome.

Oldbury Electro-Chemical Company

Plant and Main Office:
Niagara Falls, New York

New York Office:
22 East 40th Street, New York City

Phosphorus and phosphorus products. Sodium chlorate. Potassium perchlorate. Oxalic acid

NICHOLS Copper Sulphate

TRIANGLE BRAND

Recommended for its Purity and Uniformity

99% Pure

Nichols Triangle Brand Copper Sulphate is offered in Large or Small Crystals and Pulverized. Packed in 100 lb. waterproof bags and 300 lb. barrels.

COPPER OXIDE (Red) NICKEL SULPHATE

PHELPS DODGE REFINING CORPORATION

Sales Offices: 40 Wall St., New York, 230 N. Michigan Ave., Chicago
Works: Laurel Hill, N. Y., El Paso, Texas

policy of principal consumers to limit commitments to take care of nearby production schedules was unchanged. While production schedules of some basic consuming industries showed mild improvement, it was felt the improvement has not been sufficient to warrant any large size buying. Sentiment for increased consumption later in the year continued unchanged. Price schedules for the various grades were without alteration.

Baltimore, Aug. 17.—The market for sulphuric acid pursues the course that has been followed for some time past, with the producers adhering to the quotations of $12 per ton for 60 degree and $15 per ton for 66 degree acid. Users of acid are not inclined to take on speculative supplies, or run ahead of their immediate requirements, and in this situation the producers are made to carry stocks until they are needed. So far these requirements are within the volume fixed at the time contracts are placed, and the market retains its characteristic of marked quiet. Oleum is in about the same position, with the calls limited and the price still at $17 per ton for 20 percent supplies.

Insecticides

The market for agricultural insecticides and fungicides was quiet last week. The active season for heavy withdrawals has about run its course. The season for calcium arsenate will soon be finished in the cotton states, and withdrawals of this material last week was reported on a moderate scale. Pricewise the market displayed no changes, and a steady to firm tone prevailed.

Progress and conditions of cotton were mostly good to fair except in the extreme East where too much rain favored weevil activity and caused shedding and robbing of bolls. Bolls are opening rapidly in most sections with the first bale reported from the Northern part of Texas. In Oklahoma showers were helpful in the Northern part of the cotton areas, but deterioration is reported in scattered localities in the extreme South, with more or less shedding in the South-Central and Southwestern section. In the central states of the belt progress was fair to good in most places except that cloudy, wet weather in much of Louisiana was decidedly unfavorable and caused deterioration. Some staple was blown out and conditions were very favorable for weevil activity.

Calcium Arsenate.—Withdrawals of this material continued on a moderated scale, with the active season nearing an end, commitments were held to actual needs. In the cotton belt the week was moderately warm with heavy rain covering much of the central-southern area but less rain and more sunshine in the Eastern sections. In general the weather was favorable for cotton except in some of the central gulf areas where heavy rains resulted from the tropical hurricane.

Lead Arsenate.—Demand was held to minimum proportions in practically all sections. Weevil activity has fairly well subsided in the Eastern states. Quotations ruled unchanged.

Nicotine Sulphate.—The market offered nothing of importance from a demand standpoint. Quotations were unaltered. Several Japanese merchants have formed a 50,000 yen company to engage in the manufacture and sale of nicotine and its derivatives. It is stated that this is the first attempt to manufacture nicotine products on a commercial scale in Japan.

Management Congress Will Convene Sept. 19

—*Continued from page* 3

president of H. A. Hopf & Co., is deputy president. The American affiliate of the International Committee is the National Management Council, composed of the American Management Association, the American Society of Mechanical Engineers, the Association of Consulting Management Engineers, the International City Managers' Association, the Life Office Management Association, the Personnel Research Federation, and the Society for the Advancement of Management. The American Congress Council, a group of distinguished industrialists and financiers, headed by Willis H. Booth, vice-president of the Guaranty Trust Company, New York, is the advisory body for the congress.

William L. Batt, Philadelphia, is chairman of the coordinative committee. Associated with Mr. Batt are William H. Gesell, executive vice-president of the Lehn & Fink Products Company; Thomas R. Jones, president of American Type Founders, Inc.; Henry P. Kendall, president of the Kendall Company, and Mr. Hopf.

Active promotion of the congress in the United States is being carried on by Mr. Batt's committee, which extends a cordial invitation to "all those who believe in the advancement of management, who recognize in the congress an unusual opportunity to achieve a new understanding of management and to effect an exchange of experience on the part of alert minds from many countries" to attend and to participate in the sessions.

International management congresses have previously been held in Prague, Brussels, Rome, Paris, Amsterdam and London. Information and registration forms for the seventh congress may be obtained from Nathaniel W. Barnes, executive secretary, 347 Madison avenue, New York.

Stroock & Wittenberg Plans Expansion Program

Stroock & Wittenberg Corporation, natural and synthetic resins, this city, is preparing an extensive research and marketing program for resins used in the manufacture of surface coatings. The corporate structure of the organization has been reorganized and according to A. J. Wittenberg, president, the acquisition of additional financial resources and augmented personnel places the corporation in a better position to service the manufacturers of surface coatings with the benefits of wider and up-to-date research facilities.

The new S. & W. program plans for the development of several new products as well as particular emphasis on the purification and preparation of natural resins for industrial use.

A. J. Wittenberg, executive head of the S. & W. organization, has been prominently identified with the American gum industry for many years, having served several terms as secretary of the American gum Importers' Association and also as an officer of the Synthetic Resin Manufacturers Association.

Employment Guide Given By Manufacturers Ass'n

—*Continued from page* 3

of work and providing for seasonal demands or emergencies, with an average workday of eight hours and at least one day of rest in seven.

2. Adequate advance notice whenever practical to employees of any change in the schedule of hours of work.

Grievances

1. Employees are entitled to immediate consideration of all complaints. To this end the establishment of an adequate system which will place upon the foreman or first contact within the limits of company policy the initial responsibility for the settlement of all grievances is strongly recommended.

2. In the event of failure to make satisfactory settlement in this manner grievances should be promptly referred to management through established channels readily available to the employee.

3. To reduce the number of complaints, all causes of complaints should be carefully reviewed by management and foremen trained to prevent complaints as far as they come within the legitimate scope of their functions.

Similar offerings of model procedures are made with respect to working conditions; promotion, transfer, lay-offs, and discharge; assignment to different-rated job; hiring; protection against risks; stabilizing employment and earnings; personnel records; and commitments.

American Tobacco Company will construct a $250,000 research laboratory at its Richmond, Va., plant.

Langbourne M. Williams, jr., president of the Freeport Sulphur Company, this city, has been elected to the directorate of the B. F. Goodrich Company, succeeding A. A. Sprague, Chicago.

NV
TRADE MARK REGISTERED
SULPHATE of POTASH
90 — 95% K_2SO_4
Min. 95% K_2SO_4
Min. 96% K_2SO_4
—NV—
DOUBLE REFINED
SULPHATE of POTASH
—NV—
MURIATE of POTASH
Min. 99% KCl
—NV—
DOUBLE REFINED
MURIATE of POTASH
POTASH PAYS ON ALL CROPS
N. V. POTASH EXPORT MY. Inc.
19 West 44th St., New York
Telephone: Vanderbilt 3-4588

LEAD ACETATE
DELIVERIES FROM SPOT STOCKS
JUNGMANN & CO.
INCORPORATED
157 CHAMBERS STREET NEW YORK CITY
TEL. BARCLAY 7-5128-30

VICTOR
FORMIC ACID
85% and 90% Strengths
Noted for its purity, uniformity and stability. Will not darken when exposed to light. Will not cloud up when diluted. Free from sulphates and chlorides.
VICTOR CHEMICAL WORKS
141 W. Jackson Blvd., Chicago
SERVICE
UNIFORMITY
QUALITY

BARIUM SULPHATE
(BLANC FIXE)
BARIUM REDUCTION CORPORATION SOUTH CHARLESTON, W. VA.

MAGNESIUM FLUOSILICATE
CALCIUM FLUOSILICATE
ZINC FLUOSILICATE
FLUORINE PRODUCTS Division of Sterling Products Company Easton, Pa.

SULPHURIC ACID
60° 66° 98%
Tank Cars—Carboys
Prompt Shipments
ROYSTER CHEMICAL WORKS
TOLEDO, OHIO
Division of
F. S ROYSTER GUANO CO.
NORFOLK, VA.

COPPER SULPHATE
TRI-BASIC COPPER SULPHATE
ZINC SULPHATE
MANGANESE SULPHATE
COPPER CARBONATE
FINEST TC QUALITY
TENNESSEE CORPORATION
Prompt shipments on receipt of order
ATLANTA, GA., LOCKLAND, O.; In Florida, U. S. PHOSPHORIC PRODUCTS CORP., TAMPA

IMPORTANT TO YOU!

A QUICK REVIEW OF BARRETT TAR ACIDS

Barrett Tar Acids are produced to meet highest standards of quality, uniformity and dependability. Barrett's unmatched service is available to every customer. Phone, wire or write for quotations.

PHENOL

(Natural) U. S. P. 40° C. Minimum Melting Point **is a pure white crystalline product generally used in the manufacture of Phenol-Formaldehyde Resins when extremely light color is necessary. Also used in the manufacture of chemicals and dyestuffs requiring material of highest purity.**

39° C. M. M. Pt. Technical **approximates the U. S. P. material in quality and is recommended for use when it is not necessary to adhere strictly to Pharmacopœia specifications.**

82-84 per cent and 90-92 per cent Technical—**grades which contain limited amounts of Ortho, Meta and Para Cresols.**

CRESOLS

U. S. P. **Barrett Cresol U. S. P. not only meets U. S. Pharmacopœia specifications but contains less than 9 per cent Phenol.**

Meta-Para Cresol. **Standard grades having boiling ranges of 3° C. and 5° C. with Meta Cresol content — 55 per cent and 52 per cent minimum respectively.**

Ortho Cresol. **Minimum Melting Point 30.4° C.**

Meta Cresol. **70 per cent and 80 per cent, for chemical and synthetic resin manufacturers.**

Para Cresol. **85 per cent and 98 per cent, for chemical, synthetic resin and pharmaceutical manufacturers.**

Special Cresol Fractions, to meet users' specifications.

CRESYLIC ACID

Straw color and dark grades of various distillation ranges, depending on requirements. Special grades for synthetic resin manufacturers.

XYLENOLS

Boiling range 210-225° C. or narrower fractions, if desired. Also Meta Xylenol Crystals (symmetrical).

TAR ACID OILS

Carefully blended oils ranging in tar acid content from 10 per cent to 75 per cent.

THE TECHNICAL SERVICE BUREAU of The Barrett Company invites your consultation with its technically trained staff, without cost or obligation. Address The Technical Service Bureau, The Barrett Company, 40 Rector Street, New York.

THE BARRETT COMPANY
40 Rector Street, New York

THE BARRETT COMPANY, AMERICA'S LEADING MANUFACTURERS OF COAL-TAR PRODUCTS • ROOFINGS • TARVIA • CHEMICALS

Barrett CHEMICALS

Coaltar Chemicals

Coaltar Intermediates and Colors Moderately Active—Phenol in Fair Demand—Benzol Remains in Short Supply—Outlook For Toluol and Xylol Improved

Demand for coaltar chemicals continued at an irregular pace last week. The basic coaltar products were featured by a short supply in benzol. Movement of the intermediates and colors were moderately active, with calls from consumers being more frequent. Coaltar acids were steady. Pricewise the market offered no feature.

Benzol continued to be well absorbed, with the demand from large consuming channels sufficient to take care of the quantities of benzol offered. Conditions in the steel industry displayed improvement, steel operations were scheduled at 40.4 percent of capacity, the highest rate so far this year. However, the improvement in steel operations have not been reflected materially in benzol production because of the utilization of coke stocks on hand by steel plants. Prospects of improved automotive output augured well for increased consumption of toluol and xylol by the lacquer trade later in the Summer, but at present the market continued to mark time. Phenol displayed a fair interest from some consuming channels. Cresylic acid demand remained at comparatively low levels. Naphthalene showed nothing in the way of renewed buying interest by principal consuming interests. Railroads and public utilities were not exerting much interest in the market for creosote oil. Business in the market for various grades of cresol were held to moderate proportions.

Intermediates continued to display a slightly better interest. Anilin oil, antraquinone and nitrotoluene moved in fair volume. The improvement in the textile industry was reflected in a better demand from the dyestuff manufacturers. Coaltar colors likewise were moving at better levels than earlier in the Summer, the upturn reported in July was holding, and the outlook for increased volume was encouraging. Price tone was steady to firm. Coaltar acids were moving in sympathy with the better demand for the intermediates.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
125.9	125.9	125.9	127.2

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol. — There was comparatively little new to report in the market last week. The demand from principal consuming channels such as chemical processors, lacquer trade and rubber industry was sufficient to take care of the quantities of benzol offered. Conditions in the steel industry continue to show improvement, steel operations last week were scheduled at 40.4 percent of capacity, compared with 39.4 percent in the preceding week and 83.2 percent in the corresponding week a year ago. The steel output is expected to show substantial improvement after Labor Day, and with more normal operations in the steel industry, benzol production will undoubtedly reflect the betterment in coking operations. The slight improvement in steel schedules has not been reflected materially in benzol production because of the utilization of coke stocks on hand by steel plants.

Creosote Oil.—The demand for disinfectant and wood preservation purposes continued along narrow lines. Major consumers such as the railroad and public utilities were not exerting any too much interest in the market for large size quantities. Pricewise the market remained unchanged.

Cresol.—Interest in the market for the various grades of cresol was held to moderate proportions throughout the past week. Consumers in the majority of instances were content to place commitments when needs became urgent. No change was reported in the quotations.

Cresylic Acid.—Business in the market remained at comparatively low levels. Withdrawals by the synthetic resin industry and for disinfectant purposes was along routine lines for the most part. Domestic quotations continued unchanged. The import market offered nothing new, with interest at a low ebb, and price situation easy.

Naphthalene.—Activity in this direction was still lacking. Large consumers apparently were following a cautious purchasing policy, making withdrawals on a hand-to-mouth basis. Price schedules were unaltered. The import market continued easy, and demand was quiet.

Phenol.—Some interest was shown by dyestuff manufacturers and chemical processors for moderate amounts. However, interest from other large consuming channels such as the synthetic resin industry and plastic trade was without much alteration. Prices ruled unchanged. Stimulated by greatly increased requirements especially by the rapidly expanding synthetic resin industry and as well for various other manufacturing purposes, such as explosives, dyestuffs, medicinals, scents, solvents, synthetic tannins, etc., Germany's production of phenol has registered marked increase in the last several years and further considerable gains are expected in the future for keeping pace with continued steadily expanding needs. It is authoritatively estimated that Germany's total production of pure phenol amounted to around 20,000 metric tons in 1936, latest year for which complete data are available, and the indications are that, due to larger supplies of coaltar for distillation, increased recovery from cokery wastewaters and, more especially, intensified synthetic output from benzol, production showed considerable gains in 1937 and the current year, according to the American consulate general at Frankfort-On-Main.

Tar Acid Oils.—The market moved through another routine period. The call for general disinfectant purposes was without particular feature. A steady to firm tone governed the dealings.

Toluol.—While sellers could point to a slight improvement from some consuming channels, the low level of automotive operations restricted demand from the lacquer industry. However, the outlook for later in the Summer was considerably enhanced by the prospects of improved automotive output. Prices ruled steady to firm.

Xylol.—Quiet conditions prevailed in the market last week. Sellers could point to improvement from the coatings industry, but with seasonal dullness prevalent in major consuming channels, the market was a routine affair. Prices were without change.

Chicago Coaltar Bases

Steady tone is reported for most products in the coaltar bases here. Buying is reported to have been along rather moderate lines for most products, but the benzol interest is holding up well and most other items appear to be giving a good account of themselves. Buyers are not very anxious to accumulate material, however. Ruling prices exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 10½c. to 11c.; toluol, 23c.; 10-degree xylol, 28c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic. — Business was without special feature, although sellers could point to a moderate interest. The market offered nothing new in the way of price changes.

Broenner's. — A steady to firm tone

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

continued to prevail in this direction. A fair demand was apparent, but commitments were held to moderate proportions.

Salicylic.—Demand was reported as holding at fair levels from most consuming channels. Prices were well maintained at previous levels.

Sulphanilic.—Withdrawals were on a moderate scale for the most part, with principal consumers content to order for nearby requirements. Pricewise the market remained unchanged.

Tobias.—There was relatively nothing of importance to report in the market last week. Usual consumers made their appearance fairly regularly for modest commitments. Prices were without alteration.

Other Intermediates

Anilin Oil.—Shipments were moving at a slightly better pace last week. Improvement in the textile and dyestuff industry was attributed as the reason for the better interest. Prices ruled the same.

Anthraquinone.—A fairly steady interest prevailed in the market throughout the past week. Some consumers were making their appearance more frequently. Quotations were unaltered.

Dimethylaniline.—A continuance of the moderate improvement reported recently was experienced in the market last week. A steady to firm tone ruled.

Monochlorobenzene.—A steady demand was reported in most directions last week. The appearance of moderate orders were showing acceleration in not a few instances. No change was disclosed in the quotations.

Nitrotoluene.—Withdrawals proceeded at a fair pace throughout the past week. Sellers could point to a more active interest in several quarters. Quotations were in conformity with the preceding period.

Orthodichlorobenzene.—Usual consumers were showing a moderate interest in the market last week. Pricewise the market maintained a steady to firm price tone.

Phthalic Anhydride.—A steady to firm tone governed the dealings throughout the past week. Business was spotty, with interest from the synthetic resin industry along quiet lines. Japanese production of phthalic anhydride is small, and large scaled production is being urged in Japan in order to cope with the current shortage of supply brought about by import restrictions, according to local trade reports. One company is scheduled to start production on an industrial scale in the near future, but some doubt exists as to the ability of this company to manufacture on a permanent basis, due to technical difficulties, according to the American commercial attache at Tokyo.

Toluidine, Mixed.—A moderate improvement in the market was experienced last week, with orders making their appearance in fair-sized volume. Quotations were unchanged.

Perkin Centenary To Be Commemorated

Commemoration of the centenary of the birth of Sir W. H. Perkin, discoverer of coaltar dyes, is being arranged by the British Chemical Society and the Society of Chemical Industry. At the invitation of the societies Dr. Herbert Levinstein will deliver a special commemorative lecture November 24 in London. The place of this event will be selected shortly.

Coaltar Colors

The market for coaltar colors continued to display a slight improvement last week. Reports were to the effect that the upturn, which commenced in July, was holding, and outlook for increased volume was encouraging by the reports of improved textile operations in various sections. Woolen goods mills were busy on fairly substantial orders booked last month, and it was reported they have enough business in hand to maintain current operations for four to six weeks, when the Spring season will start in men's wear. Shipments of rayon yarns were said to be running sharply ahead of those of last month, and in some cases ahead of production, thus bringing a reduction in relatively small stocks. Imports of aniline dyes into Nicaragua registered a decline in 1937 to 4,203 cordobas, against 12,986 cordobas in 1936, according to the American legation at Managua.

These exclusive features of

J & L CXP BENZOL

increase your production, cut processing costs and assure you a better product

Here is a Benzol completely free of corrosive compounds—that will keep your stills running on a continuous maximum production basis—with fewer shut-downs for cleaning.

J & L CXP Benzol is made by an exclusive process giving it a high degree of purity that marks it as one of the outstanding chemical achievements of the day.

You are assured better distilling operations, lower operating costs and increased production by using J & L CXP Benzol—always uniform and always consistent.

J & L CXP Benzol has the following critical properties guaranteed—Freezing Point 5.30° C—Boiling Range, less than 1° C—Bromine Index 3.

Write us on your letterhead and we shall be glad to send you a free sample of J & L CXP Benzol.

J & L—ALWAYS MAKING FINER CARBON STEELS FOR NEW AND BETTER USES

JONES & LAUGHLIN STEEL CORPORATION

AMERICAN IRON AND STEEL WORKS

PITTSBURGH PENNSYLVANIA

MAKERS OF HIGH QUALITY IRON AND STEEL PRODUCTS SINCE 1850

when you are in the market for anything

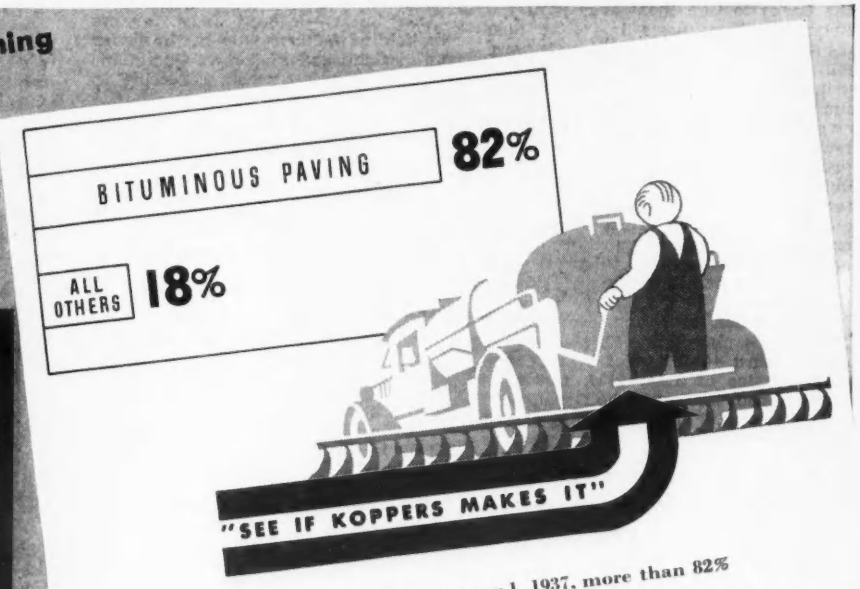
SEE IF KOPPERS MAKES IT

KOPPERS CHEMICALS AND SOLVENTS

Benzol (all grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and industrial) . . . Solvent Naphtha (including High Flash) . . . Phenol (82% and 90% Purity) . . . Cresol (U. S. P., Resin and Plasticizer Grades) . . . 3° Meta Para Cresol . . . Cresylic Acid (Disinfectant Grades—98%, pale low-boiling. Insecticide Grades—98%, pale, high-boiling) . . . Naphthalene . . . Shingle Stain Oil . . . Refined Tars . . . Tar Acid Oils . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

OTHER KOPPERS PRODUCTS

Tanks and Tank Work . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Phenol Removal Apparatus . . . By-Product Gas Plants . . . By-Products Recovery Apparatus . . . Sulfur Recovery Apparatus . . . Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous Base Paints . . . Coal . . . Coke . . . Fast's Self-aligning Couplings . . . Fire Hydrants . . . Piston Rings . . . Gas, Air and Water Valves . . . Pressure-treated Lumber



In the five years ending January 1, 1937, more than 82% of all the hard-surfaced construction added to the state highway systems in this country was bituminous surfacing.

An appreciable portion of this was built with Tarmac, the coal tar paving material produced by Koppers. Tarmac surfaces are skid-resistant. In addition to *new* construction, Tarmac is also used to render slippery streets and highways skid-resistant by the application of an inexpensive surface dressing.

KOPPERS COMPANY, Pittsburgh, Pa.

Dyestuffs, Textile and Leather Chemicals

Bichromates Continue Moderately Active—Zinc Dust Firm—R2 Myrobalans Lower—Corn Derivatives Steady—Cochineal In Fair Demand—Egg Products Unchanged

Business in the market for dyestuffs, textile and leather chemicals was spotty last week. Manufacturing consumers were apparently content to mark time, and a more cautious purchasing policy was in evidence. While mill activity was fairly steady as the result of the July spurt in orders, the tendency was to limit withdrawals of raw materials until after Labor Day at least to determine the trend of Fall business. Pricewise the market was steady to firm, and the only change was a slight reduction in R2 myrobalans.

Bichromates continued to display a moderate demand on the part of major consumers, with reports to the effect that demand from the leather and textile industry was fairly steady. Alumina chloride was steady, woolen mills are reported to have sufficient business on the books to tide them over until the Spring business flows in. Zinc dust continued firm. Natural dyestuffs were still showing only mild interest from principal consumers; cochineal and tumeric were firm features. Corn derivatives were in fair demand at the lower levels recently established. Egg products were irregular, albumen was quiet, but egg yolk noted a better interest. Tanning materials were not quite so active last week, some interests have covered requirements, and apparently are content to await until a little later before making substantial commitments.

Consumption of cotton exclusive of linters was placed at 449,511 bales in July, against 442,742 bales in June and 583,011 bales in July, 1937, according to the Census Bureau of the Department of Commerce. For 12 months ended July 31, cotton consumption totaled 5,756,096 bales, against 7,950,079 bales for 12 months to July 31, 1937. The carryover on July 31 was 11,533,184 bales.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Myrobalans, R2, 50c. per ton.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
151.7	151.7	152.0	154.1

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Chloride.—Business in the market was along fair lines last week. Woolen mills have sufficient business on the books to tide them over until the Spring business flows in. Quotations were steady to firm.

Antimony Salt.—A steady to firm price tone prevailed in the market throughout the past week. Usual consumers were showing interest for small quantities as a rule.

Potash Bichromate.—Interest in the market was maintained at moderate levels last week. Withdrawals from the textile and tanning industries was holding fairly steady. Quotations ruled unchanged.

Potash Prussiate. — Withdrawals of moderate quantities for nearby requirements was the general rule in this direction. Pricewise the market noted no change.

Soda Bichromate.—Sellers could still point to a steady interest by leading consumers for quantities commensurate with improved operating schedules. A steady to firm price tone remained in evidence.

Zinc Dust.—Quotations continued to hold firm in the market, reflecting the firmness of the basic metal. Business was reported fairly steady, with moderate quantities making up the call principally.

Dyestuffs

Annatto.—Business in the market for the seed and paste material was along moderate lines for the most part. Usual consumers apparently were content to cover for nearby needs only. Prices ruled firm.

Archil. — Dyestuff manufacturers made their appearance in the market from time to time for quantities to take care of nearby requirements. Quotations were unchanged.

Cochineal.—Interest from the textile industry was reported as fair, usual consumers of this material were displaying a slightly better interest. No change was disclosed in the quotations.

Hypernic.—Withdrawals of this material were reported as spotty last week. Consumers in some sections were showing more interest, however. Pricewise the market lacked any particular feature.

Madder, Dutch. — Quiet conditions continued to rule in this market. Consumers were content to order out quantities for urgent requirements only. Prices ruled unchanged.

Turmeric.—The market experienced another routine period, with modest orders the general rule. A steady to firm price tone prevailed.

Sizing Materials

Albumen, Egg.—Business in the market continued dull again last week. Large consumers were still adhering to a conservative policy. Imports of this material continues slow. Prices were in conformity with the previous week.

Corn Sugar.—Interest from tanners was holding fairly steady at the lower levels established recently. Quotations were steadier last week, reflecting to some degree the firmer tone in the basic commodity.

Egg Yolk.—Reports were to the effect that some large consumers were displaying a fairly active interest in the market. Price tone remained firm at the higher levels reported recently.

Dextrin.—Dealings in the market for corn and potato dextrine was reported as steady, with the textile and tanning interest displaying a more active interest at the lower quotations. Quotations ruled unchanged. Visible supplies of corn last week amounted to 11,497,000 bushels, compared with 13,654,000 bushels in the previous week and 5,920,000 bushels in the same week a year ago.

Starch.—The market for various grades of starch was described as fair last week. The recently established quotations for cornstarch created some additional interest from leading consumers. High temperatures and mostly ample moisture made an excellent corn growing week practically everywhere east of the Mississippi River. In parts of Illinois unfavorable dryness had developed but rainfall at the close of the week was timely and very beneficial. In the Ohio Valley the crop is earing fast and making generally excellent progress.

Tanning Materials

Chestnut Extract.—Business in the market was along moderate lines for the most part. Pricewise the market retained a steady to firm tone.

Hemlock Extract.—Interest from tanners was reported as only fair, with a tendency to limit withdrawals to cover nearby requirements prevalent. Quotations noted no change.

Myrobalans.—Quotations for the R2 myrobalans were slightly lower at $17 per ton; prices for the J1 and J2 myrobalans were unchanged. Sellers report a slight slackening in the demand, but business continues ahead of the earlier Summer months.

Quebracho Extract.—The market was moderately active throughout the past week. The disposition to limit withdrawals to take care of nearby needs remained in evidence. Prices ruled firm.

Spruce Extract.—Movement of this material was described as fair, some interests have covered requirements and apparently are content to await until a little later before making substantial commitments.

Sumac.—Quotations for the ground and leaf material remained firm last week. Business was slightly less active than heretofore.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

N.Y. Textile Chemists Entertain Europeans

A delegation of European members of the International Association of Color Chemists was feted at a dinner and meeting held August 16 in the Chemists' Club, this city. The New York section of the American Association of Textile Chemists and Colorists and the American Association of Textile Technologists, acted as hosts. Henry Hermann, of the General Dyestuff Corporation, this city, served as toastmaster of the occasion.

The delegation, consisting of representatives from eleven European countries, is making a study of American textile dyeing and processing methods. Arriving in this country July 26, the group has visited industrial plants and other points of interest along the Eastern seaboard. They plan to return abroad August 26.

Marcel Melliand, publisher in the textile field, Heidelburg, Germany, sponsor of the visitation, praised the cordiality shown the delegation during their stay and extended an invitation for a similar group to reciprocate by visiting European textile establishments.

Among the scheduled speakers at the meeting was Werner Von Bergen, of the Forstmann Woolen Company, Passaic, N. J.; who described the technological standards under which the large majority of American textile manufacturers operate and demonstrated apparatus for measuring the micron size of textiles. Mr. Geier in his address compared the procedure and rights acquired under American and German patent and trade mark laws, emphasizing their application and effect as regards the textile industry.

Paint Plant for Singapore

Public bids have been requested for the erection and completion of a paint plant in Singapore. This will be the first paint factor to be established in Malaya. During 1937 total imports of ready-mixed paints and enamels into British Malaya were 36,077 hundredweight. Great Britain supplied over 70 percent of the total, with the United States second in the trade. Cold water paints imported into British Malaya in 1937 amounted to 38,245 hundredweight. Varnish imports for the same year totaled 29,129, according to a report from the office of the American Trade Commissioner in Singapore.

W.R. Foss President Of Wooster Brush Co.

Wooster, Ohio, Aug. 16, 1938

Walt R. Foss has been elected president and general manager of the Wooster Brush Company. He succeeds his father, Walter D. Foss, a former president of the National Paint, Varnish & Lacquer Association, who retired as president of the company but continues as a member of the directorate.

Frank Moore Studio

W. R. Foss

Other officers elected were:—Vice-president, treasurer and general sales manager, Clifford P. Foss; vice-president in charge of industrial and export divisions, Oscar H. Foss; vice-president in charge of production, Lewis M. Rhodes; secretary and auditor, Elma Shibley.

The three Foss brothers, who have been active in the management of the company for many years, are the third generation of the Foss family and grandsons of Adam Foss who founded the Wooster Brush Company in 1851. A fourth brother, Donald J. Foss, former vice president and general manager, died earlier this Summer.

Dixie Asphalt Company, Savannah, Ga., has awarded contracts for the construction of a roofing manufacturing plant, to cost approximately $350,000.

Natural Products Refining Co.
910 Garfield Avenue,
Jersey City, N. J.
Natural
Natural BICHROMATES

DRY COLORS—DYESTUFFS
IMPORT EXPORT
FEZANDIE & SPERRLE, 205 Fulton Street, NEW YORK
Telephones: Cortlandt 7-1460-1461 Cable Address: "Fezan," N.Y.

Mutual Bichromates
Bichromate of Soda
Bichromate of Potash
Oxalic Acid
Chromic Acid
MUTUAL
MUTUAL CHEMICAL CO. OF AMERICA
270 MADISON AVE. NEW YORK
PLANTS AT BALTIMORE AND JERSEY CITY MINES IN NEW CALEDONIA

Paint, Varnish, Lacquer Materials

Buyers Await Definite Sign of Fall Upturn Before Increasing Current Low Inventories—Natural Resins Fluctuate—Naval Stores Steady—Residential Building Improves

Manufacturers of paint, varnish, lacquer and enamel products were not yet disposed to stock up on raw materials or step up their production of finished products on current expectations. The trade was marking time awaiting the passing of the next two weeks or so for the time when the hopes and improved business sentiment of the past seven weeks should take physical form. An improving pace in the award of residential construction contracts and expectations from the automobile manufacturing industry which is preparing for new model production have fostered a uniform encouragement to the makers of surface coatings.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Caseln, dom., ½c. per lb.
Gum, copal, E.I., black, bold, unscr., ⅜c. per lb.
nubs and chips, ⅜c. per lb.
Singapore, pale chips, ¼c. per lb.

Reduced

Gum, copal, E.I., Macassar, pale nubs, ½c. per lb.
Manila, Singapore, dust, 1c. per lb.
Pontianak, genuine bold, ⅝c. per lb.
dammar, Batavia, A, B, ⅞c. per lb.
Singapore, No. 1, ⅜c. per lb.
No. 2, ½c. per lb.
Rosin, gum, 5c. to 10c. per 280 lbs.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
131.1	**131.1**	**131.1**	**133.4**

Market news that may have developed after this report was sent to press will be found on page 4.

Except for the fluctuations in replacement costs of natural resins, the market has not contained important price movements this month. Several gradings of the copal and dammar gums were altered in price last week with some on the up side. East India Macassar nubs and Nos. 1 and 2 in the Singapore dammar group were among those that were lower.

White pigments were quite slow last week. September orders for deliveries of white pigments will probably exceed the July-August purchases as most buyers possess contracts written at prices below those now in force and it is likely that all undelivered balances on these agreements will be taken in before the contracts expire at the end of September.

Rosin and turpentine prices continued to move within narrow limits last week, the prevailing tone in the South being steady or firm. Receipts were large but additional funds having been granted to producers by the government the bulk of the rosin and turpentine received continued to be placed in storage. Domestic and foreign trade was quiet.

The building industry, paced by residential construction, continued in July to compare more favorably with past records, according to compilations of the F. W. Dodge Corporation, showing the valuation of all residential contracts awarded for July, 1938, was $87,978,000, which is $6,932,000 ahead of July, last year. The improvement in July residential construction was sufficient to bring the total seven months' figure to a point just 18 percent behind the first seven months of 1937. It is interesting to observe that the residential record during this seven month period, while behind last year, is 20 percent ahead of 1936.

Contracts awarded for non-residential building in July show a slightly more than seasonal decline of 11 percent from June and continue to run behind the corresponding month of last year.

Metallic Lead and Zinc

Lead and zinc producers have been invited to participate in an international conference to be held in London next month, and, according to the gossip around the market, the sponsors of the meeting have intimated that the possibility of forming a cartel of lead and zinc producers might be discussed at the meeting. Of course, American producers are prohibited by law from participating in a price-fixing movement but the Webb-Pomerene act does permit American interests to participate in such a body where American properties abroad are concerned. Some of the lead producers have mines in Mexico and elsewhere.

Lead passed a rather quiet week. The price was unchanged at the basis of 4.90c. to 4.95c. per pound at New York and 4¾c. per pound at East St. Louis. Purchasing has been mainly for prompt delivery in single car lots and the bookings for September delivery were light. The course of the London market was watched closely and prices sagged below the preceding week's average but not to a point where they might endanger the current prices in the domestic market.

A quiet week also ruled in the slab zinc market. Prices were steady at 4¾c. per pound, f.o.b. East St. Louis. The galvanizing trade was not buying very actively.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from August 13 to August 19, inclusive, were as follows:—

	Pigs		
	Per pound		Spot, London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0490@.0495	$0.0475	.. .. ..
Monday	.0490@.0495	.0475	14 6 3
Tuesday	.0490@.0495	.0475	14 0 0
Wednesday	.0490@.0495	.0475	14 1 3
Thursday	.0490@.0495	.0475	14 2 6
Friday	.0490@.0495	.0475	14 6 3

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from August 13 to August 19, inclusive, were as follows:—

	Slabs		
	Per pound		Spot, London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0515	$0.0475	.. .. ..
Monday	.0515	.0475	13 11 3
Tuesday	.0515	.0475	13 3 9
Wednesday	.0515	.0475	13 3 9
Thursday	.0515	.0475	12 16 3
Friday	.0515	.0475	12 18 9

Pigments

Most of the current orders for supplies of opaque pigments specify prompt delivery and as yet the suppliers of the materials have not received much tangible encouragement toward a lively Fall season. The motor industry's preparations for new model production has been the most cheering news of the month but this has not yet reached the stage where the makers of finishes and tributary products can count it as "on the books." Metal prices have been holding a very steady position and the pigments are also steady. There has not been a change in pigment prices since the middle of July.

White Lead. — Weather conditions continued to handicap the movement of lead-in-oil. Dry lead sales to the manufacturers of surface coatings continued slow. In company with other pigment suppliers, lead corroders were marking time as they awaited the close of the Summer season and the expected lift in general industrial activity in the Fall. Prices were steady and unchanged.

Red Lead.—Reflecting a very steady metal market, prices for car lot and l.c.l. quantities of red lead were unchanged. As reported previously, the battery makers have not shown much added buying activity as yet; labor difficulties retard production in one of the bigger battery units. Paint manufacturers were light buyers.

Litharge.—Trading was listless. Insecticide manufacturers' purchases have moderated. The price of this lead derivative held a steady position and has

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

UNIFORM
UVERSOLS
(NAPHTHENATE TYPE DRIERS)

"Uversols" are preferred by paint and varnish makers. . . . They can depend on the same high quality driers and the same drying qualities in every shipment.

Uniformity of Uversols is maintained by strict control of production and final laboratory analysis. . . . You can depend on consistent results when you use "Uversols" . . . . Cobalt, lead, manganese, copper and zinc Uversols, made in solid and liquid forms in all the various percentages of metal content.

THE HARSHAW CHEMICAL CO.
Manufacturers, Importers, Merchants
Offices and Laboratories: Cleveland, Ohio
Quality products since 1892
New York, Philadelphia, Chicago, Detroit, Pittsburgh, Cincinnati, East Liverpool, Los Angeles, San Francisco
Works at Cleveland and Elyria, Ohio, and Philadelphia, Pa.

For Safe Shipping use
THORNTON CONTAINERS

The experience of hundreds of shippers in thousands of shipments has proven the unfailing dependability of Thornton Drums and Pails. Solids, Semi-solids and Liquids are transported safely in these rugged containers.

Made in all sizes from 1 to 70 gallons.

Write for information and prices.

THE F. C. THORNTON CO.
6712 Union Avenue Cleveland, Ohio

not been changed for some weeks now. The basic metal was holding comfortably.

Lithopone.—Sellers report they are doing very little business at this time but they have expectations of a healthy upturn in business for the Autumn and were anxious for the passing of the next fifteen days or so to see whether or not these hopes would be realized. There has been no shift in the price schedule for ordinary, high-strength or titanated grades. A review of German lithopone trade received by the Department of Commerce reports German exports of lithopone in 1937 reached the all-high volume of 25,629 metric tons valued at Rs. 4,911,000 (The reichsmark is worth approximately 40c. in U.S. currency). This figure was considerably higher than the 20,500 metric tons exported in 1929. Notwithstanding the rapid rise in exports a recession in the trade has taken place in 1938. Total exports for the first five months of 1938 amounted to 8,532 metric tons valued at Rs. 1,686,000 in contrast with 11,344 metric tons valued at Rs. 2,194,000 for the same months of 1937. Principal purchasers of German lithopone are Great Britain, which is the largest, followed by Sweden, Canada, China, Denmark and Argentina.

Titanium Pigments. — Last week's trade was light. Purchase of these pigments against contract is also expected to improve after this month and in company with the sellers of competitive products suppliers were merely waiting for the Fall season to begin. Pricewise, the market has been steady and unchanged.

Zinc Oxides. — Manufacturers have not been able to point to any improvement in the sales of lead-free or leaded oxides as yet. While most of the current orders were for prompt shipment, they have been rather small-sized. Contract buyers of high lead strength leaded oxides are covered up to the end of September by low-priced contracts and even if September business falls short of expectations a good deal of the low-priced material should move out against those contracts before they expire.

Fillers and Extenders

Inert pigments and extender products also lacked buying life last week. When questioned regarding prospects for Fall business the replies of the sellers of materials included in this division of the market were uniformly hopeful but as yet there has been little real evidence of prospective broadening of consumption. Prices for mineral whites and others in this group were without a reported change.

China Clay.—Sellers of domestic clays have not reported any change in their prices for some time. Latest reports on the state of trade indicated an extension of the earlier dullness.

Wood Flour.—Plastics makers have been very light buyers and according to the reports from the linoleum manufacturers, supplies on hand seem to be sufficient to last for some while unless business improves. Prices for foreign were more or less nominal on the lack of trading.

Dry Colors

The color market passed through a very quiet period last week. Since the closing days of July, color buyers have been ordering sparingly and in amounts sufficient to cover just what was needed for current production. There is a uniform hope around the markets that trade will improve after Labor Day. However, the color buyers have not yet given sellers any tangible evidence of larger demands in the Fall months. Prices were lacking in new feature.

Alkali Blue Toner.—The condition of the market for this toner was steady. The price of 90c. per pound has been in effect for some time.

Bone Black.—Orders for deliveries are mostly for small-sized lots to cover the immediate needs of buyers. Pricewise, the market has been held in a steady position.

Carbon Black.—Prices for standard and specialty blacks continued unchanged and barring unforeseen happenings they are likely to remain unchanged for the balance of the year. Tire makers have been light consumers albeit some of the makers of shoes for the replacement market have taken a little more black during the past week.

Cadmium Sulphide.—The orange cadmium sulphide was offering at $1.05 per pound to a quiet market.

Lithol Toner.—The position of this red has not been changed for some time. The printing ink manufacturers were buying in very light fashion.

Persian Gulf Oxide.—Buyers continued to order only as they needed supplies. The prices continued at the levels that have been in force for some time past.

Varnish Gums

Replacement market prices for natural resins had a mixed trend last week. Pale East India nubs declined, as did Singapore Manila dust, the A and B gradings of Batavia dammar, and the Nos. 1 and 2 gradings of Singapore dammar. Genuine bold Pontianak moved further downward. Developments on the stronger side of the market included advances in pale East India Singapore chips, bold black unscraped East India and black East India nubs and chips.

Copals.—Pale East India Singapore chips advanced ¼c. per pound to the basis of 5⅜c. per pound; bold black unscraped East India advanced ⅜c. to 5c. per pound; black East India nubs and chips, up ⅜c. to 5c. per pound. Declines of the week included pale East India Macassar nubs, off ½c. to 9⅛c. per pound; genuine bold Pontianak off ⅝c. to 15¼c. per pound; and Singapore Manila dust, off 1c. to 5⅜c. per pound. All of these prices are for straight or mixed car lots and are subject to the usual differentials for smaller quantities.

Dammar.—The price for Batavia A grading was lowered ⅞c. per pound to 20⅞c.; Batavia B grading was reduced ⅞c. to 19⅜c. per pound. In the Singapore group, No. 1 was lowered ⅜c. per pound to the basis of 16c., and No. 2 was reduced ½c. per pound to the basis of 10⅜c. per pound. These prices were also for straight or mixed carload amounts and were subject to the usual differentials for smaller quantities.

Synthetic Resins

Synthetic resins shared in the dullness of the general market for materials used in the manufacture of surface coatings. The manufacturers of these gums were anxious for the passing of the next two weeks or so in the hopes that the manufacturers of automobile finishes will be obliged to come into the market heavily for Autumn needs. Ester gum continued at the basis of 6¾c. per pound for large lots.

"SUCO"
Ultramarine Blues
Alkali Blue Toners
Methyl Violet Toners
Blanc Fixe
•
STANDARD ULTRAMARINE COMPANY
HUNTINGTON, W. VA.

THE BRADLEY STENCIL MACHINE

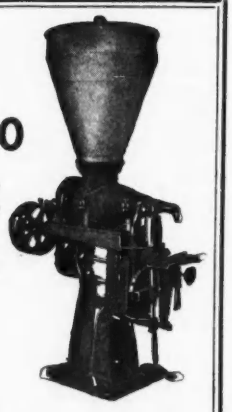
MACHINES TO CUT ½ in., ¾ in., 1¼ in., 1½ in. LETTERS
CUTS PAPER SHIPPING STENCILS
A. J. Bradley Mfg. Co.
101 Beekman Street New York

LAMP CARBON BONE BLACKS LAKE VINE OXIDE
C. J. OSBORN CO., 132 Nassau Street, NEW YORK
Established 1889

STANLEY DOGGETT, Inc.
ESTABLISHED 1878
MANUFACTURERS and IMPORTERS
DRY COLORS OF MERIT—QUALITY PIGMENTS
75 VARICK STREET, NEW YORK

Georgia White Clay—Fuller's Earth
Carload shipments direct from producers
TAINTOR TRADING COMPANY, Inc.
24 State Street : : : New York

NIACET PRODUCTS
Acetic Acid Glacial - U.S.P. - Reagent
Acetaldol
Acetamide
Paraldehyde
Acetaldehyde
Iron Acetates
Copper Acetate
Methyl Acetate
Crotonaldehyde
Ammonium Acetate
Manganese Acetate
Sucrose Octa Acetate
Other Acetate Salts
Acetate Salts and Esters
Aluminum
Ammonium
Chromium
Copper
Ferrous
Ferric
Manganese
Methyl
Potassium
Sodium
Sucrose
Zinc
For samples and further information write
Aluminum Acetate Solutions 20% Normal, 32% Basic
Sodium Acetate Tech. 60%, Special 90% Grades
NIACET CHEMICALS CORPORATION NIAGARA FALLS, N.Y.

No. 10 PASTE FILLER

For filling any materials in paste form. Particularly adapted for White Lead.
Write for Quotation
ARTHUR COLTON CO.
2624 E. Jefferson Avenue
DETROIT - MICHIGAN

Shawnee DRY COLORS
"Color Content Guaranteed"
Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Lake Colors
Ultramarine Blue
KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents In Principal Cities
Distillers of Coal Tar Products

mineral pigments
NATURAL AND SYNTHETIC
PURE CHROMIUM OXIDES
are
STRONG - INERT - PERMANENT
C K WILLIAMS & COMPANY
EASTON·PENNSYLVANIA

Naval Stores

A steady or firm undertone continued to prevail in primary markets for rosin and turpentine last week, although trade was quiet much of the time. Production and marketing operations were still active, and arrivals at primary points were again large, but daily offerings remained noticeably light, as the bulk of the rosin and turpentine received continued to be placed in storage under the government loan. The increase of $3,000,000 in the loan to producers is expected to provide sufficient money for advances to producers up to the close of September. Storage capacity has been increased through the erection of several large tanks.

Daily transactions in rosin and turpentine in Southern markets as officially reported were light. There were reports of a fair movement of turpentine in tanks and also of some expansion in the shipments of rosin on contracts previously placed, but the transactions apparently were not of much importance. The export inquiry continued slow. Weather conditions over much of the South were favorable for production and marketing. Temperatures of 100 degrees and above were reported in some sections, with the rainfall generally light, these conditions being of a kind to stimulate the flow of gum. Receipts in the three principal markets in the South for the first four and one-half months of the naval stores season ran well ahead of the same time last season, and stocks in those markets are much larger than a year ago, especially in the case of rosin.

Despite the quietness prevailing last week there was a disposition in some quarters to take a favorable view of the outlook for business and prices. This feeling was apparently traceable mainly to the increase in the loan to producers, but it was also due partly to a belief that measures adopted and planned by the government to stimulate business recovery will be likely to find reflection sooner or later in an expansion in demand for rosin and turpentine.

Turpentine.—A steady tone prevailed in the market here, although there was little to record in the way of activity. A fair inquiry was noted in some quarters, but actual transactions were limited to small lots to fill the current needs of consumers and dealers. Quiet conditions prevailed in the South, although there were reports of a fair movement of tanks on unfilled contracts. Weather conditions were favorable for production and marketing and receipts continued light.

SAVANNAH, Aug. 19.—Turpentine was quiet. Offerings continued light. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Receipts.	Shipments.	Stocks.
*Saturday	..	...	...	...	.....
Monday	22	...	528	647	42,919
Tuesday	22	320	670	25	43,564
Wednesday	22¼	22	487	35	44,016
Thursday	22½	34	526	118	44,424
Friday	22½	27	553	...	44,977

* Market closed.

JACKSONVILLE, Aug. 19.—Turpentine was steady. Receipts were liberal. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Receipts.	Shipments.	Stocks.
*Saturday	..	...	...	...	.....
Monday	22¼	35	498	...	34,004
Tuesday	22½	6	290	...	34,294
Wednesday	22¼	16	228	...	34,572
Thursday	22¼	11	345	...	34,917
Friday	22¾	...	394	615	34,641

* Market closed.

PENSACOLA, Aug. 13.—Turpentine quiet and steady. Following is a record of the market for the week:—

	Barrels Receipts.	Shipments.	Stocks.
Monday	249	611	30,398
Tuesday	222	...	30,620
Wednesday	128	...	30,748
Thursday	108	...	30,856
Friday	108	...	30,964
Saturday	164	123	31,005

CHICAGO, Aug. 19.—Trade in turpentine is fair, but without any special feature. The price remains at levels which have been in effect for some months. Ruling prices at the close of business last night were:—Five-drum lots, 30c. per gallon; five wood barrels, 35c.; single drums, 33c.; single barrels, 38c.

LONDON, Aug. 19.—Quotations on turpentine were as follows:—

	Per cwt. in bbls. s.	d.
Saturday	32	0
Monday	32	0
Tuesday	32	0
Wednesday	32	0
Thursday	32	0
Friday	32	0

Stocks of American turpentine in London were:—

	Aug. 19.	Previous week.	Last year.
Barrels	27,780	28,139	11,528

Rosin.—The local market for rosin was a small affair. There was nothing stimulating in the way of market news from primary centers and buyers here were disposed to limit their takings to small or moderate quantities to fill current needs, the movement of such lots being unimportant. Price changes here were narrow in company with Southern markets. Daily offerings in primary centers were light, although receipts continued heavy.

SAVANNAH, Aug. 19.—The turpentine market had a firm undertone. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$3.50	$3.50	$3.50	$3.50	$3.50	$3.50
D	3.85	3.85	3.85	3.85	3.85	3.85
E	4.20	4.20	4.20	4.20	4.20	4.20
F	4.57½	4.57½	4.55	4.55	4.45	
G	4.57½	4.57½	4.55	4.55	4.47½	
H	4.57½	4.57½	4.55	4.55	4.47½	
I	4.57½	4.57½	4.55	4.55	4.47½	
K	4.57½	4.57½	4.55	4.55	4.47½	
M	4.60	4.60	4.57½	4.57½	4.47½	
N	5.40	5.40	5.40	5.40	5.35	
WG	5.60	5.60	5.60	5.60	5.50	
WW	6.35	6.35	6.40	6.40	6.35	
X	6.35	6.35	6.40	6.40	6.35	

Barrels					
Sales	615	509	450	121	294
Receipts	1,959	2,854	23,363	2,358	1,948
Shipments	3,126	100	3	589	...
Stocks	207,685	210,439	212,798	214,567	216,515

* Market closed.

JACKSONVILLE, Aug. 19.—A firm undertone prevailed in the market for rosin. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$3.40	$3.40	$3.40	$3.40	$3.40	
D	3.85	3.85	3.85	3.85	3.85	
E	4.25	4.25	4.25	4.25	4.20	
F	4.55	4.55	4.52½	4.55	4.45	
G	4.55	4.55	4.52½	4.55	4.45	
H	4.55	4.55	4.52½	4.55	4.45	
I	4.60	4.57½	4.52½	4.55	4.45	
K	4.60	4.57½	4.55	4.55	4.45	
M	4.60	4.60	4.60	4.57½	4.45	
N	5.40	5.40	5.40	5.40	5.35	
WG	5.65	5.65	5.62½	5.60	5.60	
WW	6.35	6.35	6.37½	6.37½	6.35	
X	6.35	6.35	6.37½	6.37½	6.35	

Barrels					
Sales	176	12	256	107	272
Receipts	1,721	1,887	1,467	1,789	1,437
Shipments	...	223	210	101	1,410
Stocks	169,739	171,403	172,660	174,348	174,295

* Market closed.

PENSACOLA, Aug. 13.—The rosin market was quiet. Following is a record of the market for the week:—

	Barrels Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts	560	846	293	563	495	307
Shipments	101	2	...	535	100	...
Stocks	47,606	48,450	48,743	48,771	49,166	49,473

CHICAGO, Aug. 19.—Business in rosin is rather slow, although the tone seems fairly stable. Ruling prices at the close of business last night were:—B grade, $6.50 per lot of 280 pounds; G grade, $7.57½; M grade, $7.60; W.W. grade, $9.35.

LONDON, Aug. 19.—Quotations on American rosin were as follows:—

	Per cwt. in barrels— Common. s.	d.	W.W. s.	d.
Saturday	14	0	18	0
Monday	14	0	18	0
Tuesday	14	0	18	0
Wednesday	14	0	18	0
Thursday	14	0	18	0
Friday	14	0	18	0

Pine Oil.—A steady tone continued to prevail and general conditions were about as noted in recent preceding weeks, with a fairly active inquiry from local and other consumers.

Pitch.—The local situation continued to be featured by a steady tone, although there was apparently no broadening of trade, consumers still being disinclined to anticipate to any extent.

Rosin Oil.—Basic material continued to move within narrow limits in primary centers and the market here for rosin oil was steady. There was a fair demand.

Tar.—Quotations were stationary and the tone of the market appeared to be steady. There was a fair movement into consuming channels.

Shellac

Trade in the shellac market changed very little during the past week. Fundamental conditions in some of the consuming industries were none too satisfactory. For example, while reports of probable advances in the price of furniture have been reported, information from the producing centers showed that production was off and sales were also receding from the volume which some had forecast. Price developments locally were nil. The London and Calcutta markets were down fractionally on the week but not much buying for American account was done on the recession.

Calcutta, Aug. 19.—Shellac quotations on

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

ORGANIC AND INORGANIC
PIGMENT
COLORS
IMPERIAL
PAPER AND COLOR CORPORATION
PIGMENT COLOR DIVISION
GLENS FALLS, NEW YORK
Branch Offices and Warehouse Stocks:
PHILADELPHIA—BALTIMORE—CINCINNATI—ST. LOUIS
NEW YORK — DETROIT — DALLAS — SAN FRANCISCO
PITTSBURGH — CHICAGO — LOUISVILLE — TORONTO
BOSTON — LOS ANGELES — SEATTLE — CLEVELAND
THE LARGEST MANUFACTURERS OF CHEMICAL PIGMENT COLORS IN AMERICA

PURE
Hard Crystalline SILICA *Soft Amorphous*
No. 68—140 Mesh
" 10—200 "
" 110—300 "
FOR ALL PURPOSES
Water Ground---Water Floated
Velvateen—300 Mesh
Silver Bond—325 Mesh
OO Smoke—800 Mesh
Mills: Tamms, Ill. *Write* TAMMS SILICA CO. Builders Bldg., Chicago, Ill.

Headquarters for ROSIN OIL
WRITE FOR OUR "PINE TREE PRODUCTS" BOOKLET
NATIONAL ROSIN OIL AND SIZE COMPANY
R. K. O. Building, Rockefeller Center, New York, N. Y.
Offices: 3001 West 47th Street, Chicago, Ill. *Factory:* Savannah, Ga.

MINERAL OIL RESIDUES
NAPHTHENIC SOAP
FLAG BRAND WHITE OILS
NAPHTHENIC ACID SLUDGE
Specifications Upon Request
S. SCHWABACHER & CO., INC.
25 Beaver Street *Importers* New York

KILL FOAM*
EMULSIFIERS • DEFOAMING AGENTS
DETERGENTS • PLASTICIZERS • SOFTENERS
for all industries including Textile, Paper, Tanning, Paint and Varnish, Ink, Oil and Grease, Cosmetics, Glue, Cement, Polish and Agricultural Spray.
*Specific data on NOPCO PRODUCTS for this purpose may be obtained upon request.
NOPCO "EVOLVED THRU RESEARCH"
NATIONAL OIL PRODUCTS CO.
HARRISON, N. J.
BOSTON CHICAGO CEDARTOWN, GA. SAN FRANCISCO

the landed New York basis, ex dock, net cash, were as follows:—

	Per pound— Aug. 19.	Aug. 12.
August	11¼c.	11⅜c.

Day-to-day prices were as follows:—

	Per pound.
August 12	11⅜c.
August 13	No cables
August 15	11⅜c.
August 16	11¼c.
August 17	11¼c.
August 18	11¼c.
August 19	11⅛c.

London, Aug. 19.—Prices quoted on London standard T.N. shellac, basis of sterling exchange at $4.88, were as follows:—

	August 19— Shillings.	Cents.	August 12— Shillings.	Cents.
	Cwt.	lb.	Cwt.	lb.
October ..	39	8.5	39¾	8.6
December.	40	8.7	40¾	8.8

Day-to-day closing prices were as follows:—

	October.	December.
August 12	39s 9d	40s 9d
August 13	No cables	
August 15	39s 9d	40s 9d
August 16	39s 3d	40s 3d
August 17	38s 9d	39s 9d
August 18	38s 9d	39s 9d
August 19	39s	40s

Lacquer Materials

Business in the market for lacquer materials and solvent was spotty last week. Definite improvement in the rayon operations was reflected in slightly better inquiry for materials entering into this industry. Shipment of rayon yarns were said to be running sharply ahead of those of last month. Stocks in the hands of mills were described as at a low level. Automobile operations were expected to increase gradually from now on, with a large company recalling 15,000 employees after a suspension of two weeks to allow for inventory taking and vacations. Price changes in the market were lacking, with a steady to firm tone noted.

Acetone.—Reports of a definite pick-up in rayon operations was reflected to some extent in the demand for this material. Withdrawals for solvent purposes continued along moderate lines. Prices were steady to firm.

Alcohol, Butyl. — Quotations were steady to firm with prices in drums, car lot, works, freight allowed east of the Rocky Mountains, 9½c. per pound; less car lot, same basis, 10c. per pound, and tanks, same basis, 8½c. per pound. Business in the market was along quiet lines.

Butyl Acetate.—Interest in the market from principal consuming sources continued mild, reflecting to a large degree the dullness in the plastics, resins and other major consuming trades. A return to more normal operations in the automotive industry may influence the demand for safety glass. Quotations ruled unchanged.

Cellulose Acetate.—A resumption of more normal operations in the rayon industry was an encouraging factor in the market, while the outlook for increased automotive output augured well for improved demand for this material. Prices were without alteration.

Ethyl Acetate.—A slight improvement was reported in some directions, the pickup in textile industry was considered a favorable factor, while other consumers displayed only moderate interest at this time. Quotations were unaltered.

Nitrocellulose.—Quiet conditions continued to prevail in the market. Prospects for improvement were accelerated by reports of early activity in the automotive industry. Quotations were in conformity with the previous period.

Driers

Manufacturers of stearates, palmitates and other drier materials reported a slow to spotty market last week. Buying interest on the part of the paint manufacturers and the grease compounders was lacking. Pricewise, the markets for metallic soaps were steady and unchanged.

Glues and Binders

Casein.—Prices continued upward. Car lots of 20-30 mesh delivered were unobtainable below 10c. per pound last week and sellers were leaning toward a 10½c. price. The better grades were 10½c. per pound. The 80-100 mesh product also in carloads was ½c. per pound over the price of 20-30 mesh. The market has climbed from 8½c. in mid-July to its present 10c. to 10½c. basis and the atmosphere in selling circles is very bullish despite the heavy production of dairy products and the prospects of large surpluses. According to the Bureau of Agricultural Economics, milk production per cow on August 1 was the highest since 1929 and total production was 4 percent above the record high of a year ago. On the other hand, casein suppliers say that the farmers have not been producing casein because of the low returns at the current and recent market values. Argentine material at 12c. per pound, c.i.f., is not a factor here at this time. Argentine casein exports during the first six months of 1938 have fallen off substantially and current stocks are unusually high, according to consular advices from Buenos Aires. Exports totaled 6,002 metric tons against 16,121 metric tons and 19,933 metric tons shipped during the corresponding periods of 1937 and 1936, respectively. During the six months period of the current year the United Kingdom with 1,501 metric tons, compared with 3,515 metric tons in the same period of 1937, was Argentine's best foreign customer for casein, and replaced Germany, which purchased 1,315 metric tons in 1938 compared with 5,181 metric tons during the first half of 1937. Considerable declines were also noted in Argentine exports of casein to both the United States, 75 metric tons compared with 1,531 metric tons, and Japan with 732 metric tons during the six months period in 1938 against 2,071 during the same period last year.

N.P.V.L.A. Convention Reservations Urged

OPD Washington Bureau
August 18, 1938

The National Paint, Varnish & Lacquer Association has just received advice that the Ambassador hotel, convention headquarters, is filled to capacity. Those desiring to attend the golden jubilee convention, October 26-28, who have not as yet made their hotel reservations are urged to send them directly to the Ritz-Carlton hotel, Atlantic City, the auxiliary hotel directly adjacent to the Ambassador hotel on the boardwalk. All kinds of desirable accommodations are available, and those making reservations fill be well pleased with the excellent facilities afforded at the Ritz-Carlton. Please give your arrival date, in order to be sure your rooms will be in readiness upon your arrival.

Atlantic Research Segregates Production

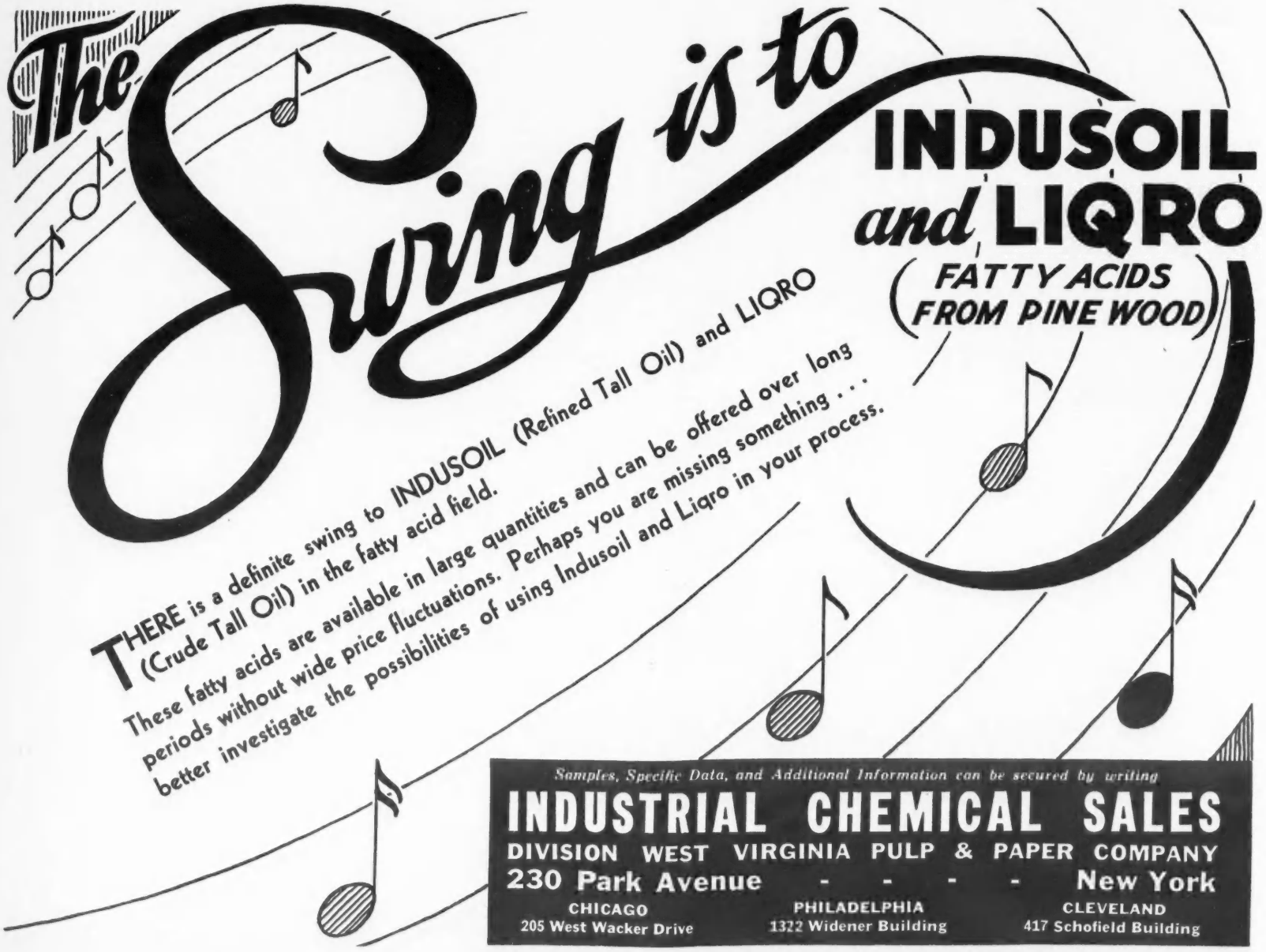
Atlantic Research Products, Inc., has been formed to manufacture and market products developed by the Atlantic Research Associates, Inc., or of products which may be of value to other National Dairy Products Corporation affiliates as consumers.

Atlantic Research Associates, Inc., will continue with its research program in the paint, rubber, paper and similar fields. The staff of the Atlantic Research Associates will be available to the new company for technical and engineering assistance, but will not be concerned with either manufacture or sale of products.

Officers of the Atlantic Research Products are:—Chairman of board, F. C. Atwood; president, Edward F. Maloney; vice-president, N. J. Reilly; secretary-treasurer, A. O. Bauer. In addition to the officers, the directorate will consist of A. A. Strickler, James Bruce and Livingston S. Jennings.

National Paint Salesmen To Meet September 16-18

The National Paint Salesmen's Association will hold its second annual convention at the Senator hotel, Atlantic City, N. J., September 16-18. Business sessions beginning September 16 will include addresses on sales, advertising, and time payment selling. A golf tournament will be held September 18 at the Northfield Country Club and a banquet and dance will be held Saturday evening. H. H. Lowenstein is the convention chairman.


The Swing is to
INDUSOIL and LIQRO
(FATTY ACIDS FROM PINE WOOD)
THERE is a definite swing to INDUSOIL (Refined Tall Oil) and LIQRO (Crude Tall Oil) in the fatty acid field.
These fatty acids are available in large quantities and can be offered over long periods without wide price fluctuations. Perhaps you are missing something . . . better investigate the possibilities of using Indusoil and Liqro in your process.
Samples, Specific Data, and Additional Information can be secured by writing
INDUSTRIAL CHEMICAL SALES
DIVISION WEST VIRGINIA PULP & PAPER COMPANY
230 Park Avenue - - - - New York
CHICAGO
205 West Wacker Drive
PHILADELPHIA
1322 Widener Building
CLEVELAND
417 Schofield Building

Oils, Fats, and Waxes

Moderate Recovery in Refined Cottonseed Oil Futures—Crude Offerings Light—Small Changes in Chinawood Oil—Linseed Oil Easy—Tallow Shaded—Trade Quiet

Quotations on miscellaneous oils, fats and greases still had a downward trend last week, although there were fewer reductions in prices as the markets for cottonseed oil and lard futures displayed rallying tendencies at times. Business continued along the same narrow lines noted in the previous week. Here and there a fair inquiry was noted for certain edible and technical products but as a rule purchases were limited to small lots to meet the immediate needs of consumers.

Chinawood oil was quiet in domestic markets last week but the tone abroad was somewhat firmer and local quotations were maintained at around previous levels. Perilla oil offerings were light and the market was steady though quiet. Quotations on edible cottonseed oil were reduced by domestic refiners. Tallow was easier, sales being reported at a further decline. Greases weakened in company with tallow. Cash lard was irregular. Lard, neatsfoot and tallow oils were reduced by refiners. Refined fish oils were quiet but prices were generally held at previous levels. Stearin was less active and supplies were available at lower prices.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Cottonseed oil, edible, ¼c. per lb.
Cottonseed oil, imported, ¼c. per lb.
Grease, ⅛c. per lb.
Lard oil, ¼c. to ½c. per lb.
Linseed cake, $1 per ton.
Linseed meal, $1 per ton.
Neatsfoot oil, ½c. per lb.
Stearin, ½c. per lb.
Tallow, ⅛c. per lb.
Tallow oil, ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
105.2	**107.6**	**108.2**	**133.2**

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Chinawood.—The tendency of the Hongkong market was upward at times during the week, but variations in prices were narrow and not of sufficient importance to bring about any change in the attitude of consumers, many of whom were still disposed to hold off for further developments. Offerings from importers were light owing to uncertainty concerning future supplies. Business was reported to have been closed on spot at around 13c. per pound in tanks, but late in the week a slightly higher figure was named by some sellers. The first chinawood oil mill in Australia is now nearing completion at Mascot, an industrial suburb of Sydney, according to a consular report. The equipment of the mill is being installed by British and German firms. It is estimated that there are about 400 growers of tung trees in Australia most of whom have only small tracts, although there is one grower holding 600 acres.

Coconut.—Conditions prevailing in the local market for crude oil underwent little change last week, business being quiet with the tone of the market steady. Occasional inquiries were noted but activity was limited mainly to the forwarding of supplies on unfilled contracts. The market on the Pacific Coast was reported as slightly easier. Refined oil was quiet and steady locally.

Corn.—Offerings of crude oil continued to be reported as light despite recent developments in competing product. Quotations were generally maintained at recent levels. There was a fair demand for refined oil and the market was steady.

Cottonseed.—Edible oil was easier, quotations being reduced ¼c. per pound by refiners. There was a fair demand. Brazilian semi-refined oil was lower for shipment though offerings were apparently rather light.

Oiticica.—Quotations were stationary in the absence of any material change in competing product. The market was quiet with offerings light.

Olive.—A steady tone prevailed, quotations generally being held at the levels ruling in the previous week. There was a fair inquiry for denatured oil and foots but purchases were apparently limited to comparatively small quantities.

Palm.—Demand was quiet, the downward trend of other commodities recently making consumers disposed to hold aloof. Offerings were light on spot and for shipment and the market had a fairly steady tone.

Perilla.—Trade was quiet but there was no increase in offerings and the market retained a steady tone, previous quotations being repeated.

Rapeseed.—The market was quiet and steady. Shipments of seed from India to the United Kingdom and the Continent from January 1 to August 3 were 16,800 tons against 26,400 tons in the same time last year.

Soybean.—Quotations were stationary but the tone of the market appeared to be easy in company with other commodities. There were reports of a fair inquiry.

Markets at Other Centers

Chicago, Aug. 19.—The general vegetable oil market seems a little irregular. Buying is not overly active.

CORN.—Crude, low acid, 8c. to 8¼c. per pound, partly nominal. Refined edible oil, 10c. to 10¼c. per pound, barrels, car lots, and 10¼c. to 10¾c., barrels, less than car lots.

CHINAWOOD.—Ruling nominal, 14.2c. to 14.3c. per pound, prompt, and 13c. to 13.1c. per pound, deferred.

PEANUT.—Crude, 7⅞c. to 8c. per pound.

SOYBEAN.—Crude, mills, 5⅜c. to 5½c. per pound.

The market for soybeans on the Chicago Board of Trade was quiet. There was scattered liquidation of futures on favorable crop news and depressing developments in the markets for various other products, although an upturn in grain at one time gave the market for soybean futures a steadier tone. Cash trade was quiet, but offerings were generally light. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing Aug. 19.	Closing Aug. 12.
Cash, No. 3...	$0.82¾	$0.82¾	....	....
December ...	.78	.75⅝	$0.78	$0.77¼
May	.80	.78	.79⅝	.80

San Francisco, Aug. 16.—There was no appreciable pick-up in trade in the general crude and refined vegetable oil business here last week. Consumers were evidently of the frame of mind that the present offered no particularly advantageous price opportunity.

COCONUT.—Crude oil sold during the week at 2¾c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills, with sellers ideas posted at 2⅞c. The market is steady.

COPRA.—There appeared to be plenty of material available through the regular channels. A certain firmness seems to be ruling, however. Quoted on the basis of 1.80c. to 1.825c. per pound, c.i.f. Pacific Coast ports, with slight shading said to be possible on certain small lots.

COTTONSEED.—Foreign supplies are not available, owing to price differential, in comparison with American product.

PERILLA.—Quoted nominally on the basis of 9.8c. per pound in tankcars, prompt to deferred shipment, f.o.b. San Francisco.

RAPESEED.—Refined and denatured oil is quoted on the basis of 6c. per pound in tankcars, f.o.b. Pacific Coast ports for shipment out of the Orient. Quoted at 6¼c. per pound on the spot.

TEASEED.—High acid content oil is quoted on the basis of 6c. per pound in tankcars, f.o.b. Pacific Coast, with standard acid content material reported to have been sold out for the season.

London, Aug. 9.—Soybean oil, crude, 23s. 9d. per cwt.; rapeseed, crude, 31s. 6d.; palm kernel, refined, English, 24s. 3d.; peanut, Bombay, 22s. 3d.; sardine, Japanese, 16s.; whale, crude, Rotterdam, 14s.

Linseed Oil

Flaxseed prices were irregular in domestic and foreign markets. Linseed oil, cake and meal easier.

Flaxseed—DULUTH, Aug. 19.—Receipts of flaxseed in this market have been very light, chiefly because of the delayed threshing due to general and heavy rains. These rains were not unwelcome for they have materially helped the late flax. Some hail came with the rain in parts of the territory, mostly in Southwestern Minnesota, but the damage was not heavy.

The quality of the crop is higher than for some years, due, no doubt, to the excellent and well scattered rains throughout the growing season, and it is hoped that the grasshopper damage will not be as heavy as was once feared.

Trading in this market is slow, because of the lack of receipts, but cash business has brisked up of late.

The week's closing price range was as follows:—

	Cash.	Sept.	Oct.
Saturday	$1.75	$1.70½	$1.70½
Monday	1.72	1.69	1.70
Tuesday	1.72	1.67½	1.67½
Wednesday	1.71	1.68	1.69
Thursday	1.68½	1.65¼	1.66¼
Friday	1.68½	1.66½	1.67½

Crop movement in bushels follows:—

	Receipts 1938.	Receipts 1937.	Shipments 1938.	Shipments 1937.
This week..	8,536	17,546	.....	37,258
Since Aug. 1...	15,978	24,544	.....	103,620

MINNEAPOLIS, Aug. 19.—Demand for cash flax showed considerable force through the week and prices gained on futures despite a liberal run of offers. Quality of new seed received to date has been uniformly good and crushers are competing sharply for the early run.

Real marketing started Monday of the present week, when 57,200 bushels were reported in. The unusual feature was that most of the seed arrived from Northern instead of Southern producing territory. As a rule Southern seed begins to move to market about two weeks ahead of Northern but this season Northern receipts led up until today. This was partly due to the fact that harvest rains checked threshing operations in Southern territory. Arrive purchases from day to day indicate that the movement is to continue.

Competition between crushers for the daily offers is strong and there is good buying of diversion point offers for movement to Duluth and shipment down the lakes as soon as cargoes are assembled. Out-of-town crushers are competing for

STEARIC ACID
Single Pressed and Double Pressed
Now available in either cake or flake form
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)
RUBY OLEINE BRAND *(distilled)*
STAR BRAND *(saponified)*
CANARY BRAND
(very pale yellow, especially suitable for best types of dry cleaners' soaps.)

PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
205 E. 42nd St., New York City
Branches and stocks in all large cities

CHINA WOOD OIL
WAH CHANG TRADING CORPORATION
SPOT Woolworth Building New York, N. Y. FUTURE

A. GROSS & CO.
We Specialize in WHITE OLEINE
Since 1837 Manufacturers of Saponified and Distilled
FLAKE STEARIC ACID STEARIC ACID RED OIL
FATTY ACID GLYCERINE
STEARIC and BEESWAX CANDLES CHURCH ACCESSORIES
Sales Office: 122 East 42nd Street New York
Factories: Newark, N. J., and Baltimore, Md.

ASK WECOLINE *before You Buy*
WHITE DISTILLED
FATTY ACIDS
• COCONUT • CORN
• SOY BEAN • LINSEED
• WHITE OLEIN • LAURIC
• SPECIALTY FATTY ACIDS
Factory: Boonton, N. J.
Sales Offices - - New York City and Chicago
WECOLINE PRODUCTS INC.

W.C. HARDESTY CO., Inc.
41 East 42nd Street New York
RED OIL STEARIC ACID
Saponified - Distilled
HYDROGENATED FATTY ACIDS (HYDREX)
FATTY ACIDS
Cottonseed Oil Coconut Oil Palm Oil
Corn Oil Lauric Specialty
Glycerine - Pitch - White Oleine
FACTORIES: Dover, Ohio Los Angeles, Calif. - Toronto, Canada
CALIFORNIA OFFICE: 5636 East 61st Street, Los Angeles
Cable Address "EPILOGUE"

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

local track offers and shipments reported today totalled 8,650 bushels.

The last government estimate of the crop conformed more with the ideas of the trade and barring late grasshopper damage chances favor more production than indicated in official estimates up to the present time. Yields are running above normal most everywhere and oil content of seeds as yet is very good.

Trade in futures during the week showed the best total in many months.

The week's closing price range was as flolows:—

	Cash.	Sept.	Dec.
Saturday	$1.76	$1.70	$1.72
Monday	1.74	1.68	1.70
Tuesday	1.74	1.68	1.70
Wednesday	1.73	1.67	1.68½
Thursday	1.70½	1.64½	1.68
Friday	1.70½	1.64½	1.66

Crop movement in bushels as follows:—

	Receipts—		Shipments—	
	1938.	1937.	1938.	1937.
This week..	300,500	394,820	39,790	51,720
Since Sept. 1	..4,257,680	5,124,870	936,660	573,040

WINNIPEG, Aug. 19.—The flaxseed market had a steadier tone. Trading was quiet. The week's closing price range was as follows:—

	Cash.	Oct.
Saturday	$1.41⅝	$1.41⅜
Monday	1.41	1.41
Tuesday	1.41	1.41¼
Wednesday	1.41	1.41¼
Thursday	1.41¼	1.41¼
Friday	1.41¼	1.41¼

BUENOS AIRES, Aug. 19.—Opening prices per bushel on September contracts were:—

	Last week.	Last year.
Saturday	$1.10⅛	$1.35
Monday	*...	1.35
Tuesday	1.09⅝	1.33½
Wednesday	*...	1.33⅝
Thursday	1.11⅞	1.32⅛
Friday	1.11⅞	1.32¼

Exports

To—	Bushels— Last week.	Previous week.	Last year.
United States....	59,000	594,000	362,000
United Kingdom..	.....	.....	.....
Continent	315,000	618,000	587,000
Orders	12,000	43,000	122,000
Others†	177,000	4,000	16,000
Totals	563,000	1,259,000	1,087,000

† Includes 161,000 to Canada.

Since January 1

To—	Bushels— This year.	Last year.
United States	8,061,000	19,066,000
United Kingdom	1,106,000	492,000
Continent	16,625,000	15,370,000
Orders	6,790,000	13,470,000
Others	1,588,000	3,993,000
Totals	34,170,000	52,391,000

Visible Supply

	Bushels.
Last week	4,724,000
Previous week	4,724,000
Last year	5,512,000

INDIA.—Exports of flaxseed from India last week were as follows:—

To—	Bushels— Last week.	Previous week.	Last year.
United Kingdom..	208,000	648,000	.....
Continent	.....	100,000	.....
Others	.....	12,000	.....
Totals	208,000	820,000	.....

Cottonseed Crushings Increase

Cottonseed received at mills, crushed and held, and cottonseed products manufactured, shipped out, and held, August 1 to July 31, 1938, and 1937, amounted, according to the Bureau of Census, to the following quantities:—

Cottonseed

Received, Crushed, and Held

	Tons— Received at mills* Aug. 1 to July 31,		Crushed Aug. 1 to July 31,		On hand at mills July 31,	
	1938.	1937.	1938.	1937.	1938.	1937.
United States	6,616,060	4,519,024	6,325,498	4,498,321	332,057	42,394
Alabama	438,230	333,424	426,289	333,860	12,222	281
Arkansas	627,285	451,779	606,961	452,021	20,208	384
California	290,352	174,513	269,096	170,153	26,724	5,468
Georgia	623,835	476,651	611,248	475,965	14,915	2,328
Louisiana	288,546	241,355	282,868	242,825	5,882	204
Mississippi	1,029,409	835,639	994,874	829,390	42,501	8,285
North Carolina	289,912	232,838	282,540	233,117	7,783	411
Oklahoma	277,494	83,716	274,622	84,269	3,374	502
South Carolina	284,768	221,683	283,789	222,218	1,629	650
Tennessee	437,127	356,928	424,977	357,326	12,563	413
Texas	1,756,463	947,822	1,603,039	934,826	176,216	22,872
All other States	272,639	162,676	265,195	162,351	8,040	596

* Includes seed destroyed at mills, but not 42,394 tons and 21,926 tons on hand Aug. 1 nor 153,514 tons and 104,306 tons reshipped for 1938 and 1937, respectively.

Cottonseed Products

Manufactured, Shipped Out, and Held

	On hand Aug. 1.	Produced Aug. 1 to July 31.	Shipped out Aug. 1 to July 31.	On hand July 31.
Crude oil, pounds—				
1937-1938	*11,141,266	1,965,993,076	1,958,770,391	*34,203,058
1936-1937	19,191,508	1,363,978,069	1,370,025,905	11,141,266
Refined oil, pounds—				
1937-1938	†441,052,343	‡1,753,008,936	.....	†486,474,233
1936-1937	318,873,305	1,310,250,454	.....	441,052,343
Cake and meal, tons—				
1937-1938	41,952	2,830,399	2,655,848	216,503
1936-1937	65,053	2,031,488	2,054,589	41,952
Hulls, tons—				
1937-1938	43,422	1,624,579	1,536,845	131,156
1936-1937	23,803	1,144,138	1,124,609	43,422
Linters, running bales—				
1937-1938	61,547	1,471,918	1,053,901	479,564
1936-1937	43,819	1,126,873	1,109,145	61,547
Hull fiber, 500-lb. bales—				
1937-1938	1,828	65,451	36,487	30,792
1936-1937	88	48,265	46,525	1,828
Grabbots, motes, etc., 500-lb. bales—				
1937-1938	7,379	82,944	53,880	36,443
1936-1937	2,991	56,341	51,953	7,379

* Includes 4,272,188 and 11,605,555 pounds held by refining and manufacturing establishments and 4,369,480 and 12,875,220 pounds in transit to refiners and consumers August 1, 1937, and July 31, 1938, respechtively.

† Includes 13,349,453 and 5,215,296 pounds held by refiners, brokers, agents, and warehousemen at places other than refineries and manufacturing establishments and 7,957,878 and 7,602,095 pounds in transit to manufacturers of lard substitute, oleomargarin, soap, etc., August 1, 1937, and July 31, 1938, respectively.

‡ Produced from 1,923,594,866 pounds of crude oil.

Exports and Imports for Eleven Months Ended June 30

	1938.	1937.
Exports—		
Oil, crude, pounds	2,460,921	307,272
Oil, refined, pounds	4,807,607	2,661,766
Cake and meal, tons of 2,000 pounds	91,982	4,336
Linters, runnings bales	254,093	246,037
Imports—		
Oil, crude, pounds	*42,912	23,382,963
Oil, refined, pounds	*54,397,847	170,480,055
Cake and meal, tons of 2,000 pounds	4,285	28,907
Linters, bales of 500 pounds	14,571	45,182

* Amounts for July not included above are 6,397,395 pounds refined "entered directly for consumption," 3,673,220 refined, "withdrawn from warehouse for consumption," and 2,763,803 refined, "entered directly into warehouse."

Since April 1—	Bushels— This year.	Last year.
United Kingdom	5,564,000	3,272,000
Continent	388,000	172,000
Others	84,000	316,000
Totals	6,036,000	2,760,000

HULL, Aug. 12.—Quotations on flaxseed were:—

	Per ton— La Plata.	Bombay.
Saturday	£10⅞	£12½
Monday	10⅞	12½
Tuesday	10⅞	12½
Wednesday	10⅞	12½
Thursday	10⅞	12⅝
Friday	10⅞	12⅝

Linseed Oil.—Quiet conditions continued to prevail in the local market for linseed oil and the tone was easier. For tankcars 7.8c. per pound was generally quoted, but it was said to be possible to secure supplies at a point or two under that figure. Occasional inquiries were received in some quarters but as a rule consumers were inclined to hold off owing to the favorable character of accounts concerning the flaxseed crop situation in this and other countries as well as the continued downward trend in various other oils and fats. The movement into consuming channels on unfilled contracts held up fairly well.

Reports from the Northwest in some cases were to the effect that there was a tendency in some quarters to increase estimates of the yield of flaxseed. Rains were received last week and the precipitation was regarded as beneficial for late planted fields. Advices concerning the quality of the seed were good, the oil content in some sections being described as unusually high.

The monthly Canadian crop report put the acreage at 212,700 acres against 233,300 acres in the previous season, and the condition at 82 percent against only 28 percent a year ago. The first official estimate of the Argentina crop will be issued September 16.

Recepits of flaxseed at New York last week were 134,120 bushels.

MINNEAPOLIS, Aug. 19.—Demand for linseed oil slackened through the past week, largely because of the instability of the market and weakness of Argentine prices. Buyers took small lots fairly well and also a number of cooperage car lots. Purchases of tankcar lots were infrequent and as far as reported there was no business in round lots. Shipment up to the end of the year is wanted. None of the buyers seem interested in requirements of the early part of the new year and few go as far as December in making their purchases.

Shipping instructions slowed this past week and the out movement is smaller. Crushing operations are heavier, around 25 to 30 percent and will be increased more when seed stocks of importance have been accumulated. If the flow of new seed to market continues to gain volume operations will probably be stepped up some next week.

Quotations on carload lots, f.o.b. Minneapolis, tankcar lots, 7.8c. per pound; cooperage car lots, 8.4c. per pound, warehouse lots, 8.8c. per pound.

Shipments of oil in pounds were as follows:—

	1938.	1937.
This week	1,024,781	1,789,883
Since Sept. 1	64,622,712	75,535,830

SAN FRANCISCO, Aug. 16.—Linseed oil saw a drop of one point on sellers' open quotations in this market here last week, when the tankcar posting touched an even 8-cent figure. Part of the trade became interested in intermediate quantities of oil and succeeded in getting bids through on the basis of 7.9c., but the movement was not large. Meantime, contract shipments are holding up well and there is a good movement generally. Quoted:—Tankcars, 8c. per pound; drum car lots, ex mill, 8.6c.; drum lots, ex warehouse, 9c.

CHICAGO, Aug. 19.—Principal activity in linseed oil is the movement out of limited amounts of material on orders calling for prompt shipment. Ruling prices are:—Tankcar, 8c. per pound, tankcar; car lots, 8.6c.; less than car lots, 9c.

LONDON, Aug. 19.—Quotations on linseed oil were:—

	Per cwt.— s.	d.
Saturday	21	7½
Monday	21	9
Tuesday	21	4½
Wednesday	21	6
Thursday	21	7½
Friday	21	7½

Cake and Meal.—An easier tone developed in the absence of any improvement in trade, quotations being shaded $1 per ton. Domestic buyers of meal were disposed to hold off owing to the weaker position of other products. The export inquiry for cake showed a further contraction.

MINNEAPOLIS, Aug. 19.—The linseed meal market is pretty quiet at the moment and for the first time since last October crushers are accumulating supplies. Cost of prompt meal is going down steadily because of the comparatively low cost of September shipment, weakness in grains and weakness in feeds. Buyers have purchased considerable meal for September-October shipment and are trying to get along until spot meal is on a September price basis. In the past week spot meal declined $3 per ton and more. Shipping instructions come with orders for prompt meal. Competition of other concentrates is unimportant but has some bearing on the bids of buyers.

Quotations on carload lots f.o.b. Minneapolis, 100 pound sacks, prompt shipment, $38.50 to $39.00 per ton, September-November shipments $35 per ton.

Shipments of meal in pounds were as follows:—

	1938.	1937.
This week	1,487,510	3,325,515
Since Sept. 1	123,710,557	115,736,919

CHICAGO, Aug. 19.—Feeders are taking a fairly good amount of interest in the linseed meal market, authough they indicate they are not overly impressed with prices at present because of the market position of competitive material. Ruling prices are:—Round lots, $41.50 per ton, largely nominal; car lots, $41.50 to $42; less than car lots, $42 to $42.50.

Cottonseed Oil

Refined cottonseed oil futures in the local market had an upward trend at times. Southern offerings of crude oil were light.

Cottonseed Oil.—Selling pressure relaxed in the market for refined cottonseed oil futures last week and with shorts covering and commission houses and trade interests more disposed to buy, the trend of prices was upward at times. On advances there was sufficient selling from one source or another, however, to hold upward movements in check and the recovery in prices was only moderate. The trend of the markets for securities, cotton, grain and lard was upward at times but there was more or less irregularity, the effect of renewed liquidation being noticeable on upturns. Trading here was quieter, many operators being disposed to hold off for further developments in the cotton crip situation before adding materially to their commitments on either side of the market.

Crude cottonseed oil was reported as quiet and generally steady. Sales were noted of old crop oil in a limited way at 6¾c. per pound. Offerings were light and are not expected to increase materially until new crop seed moves more freely to the mills. In some sections the mills, it is reported, will not resume operations for the season until the middle of September. Trade in cash refined oil was reported as quiet. Business in many other oils and fats was slow and the trend of prices continued downward.

Receipts of hogs were lighter, the arrivals in the principal Western markets for four days of the week aggregating 140,200 head against 124,700 head in the same time last year. The weight of the hogs received in Chicago during the week ended August 12 averaged 288 pounds against 291 pounds in the previous week and 282 pounds in the same week last year. Stocks of lard in Chicago increased 2,548,507 pounds during the first half of August, making a total on August 15 of 77,060,882 pounds against 86,209,058 pounds on the same date last year. There was a fair export movement of lard. Exports from Atlantic and Gulf ports from November 1, last, to August 13 were 129,151,944 pounds, an increase of 44,680,592 pounds over the same time last season.

Crop accounts from the cotton belt were conflicting but were apparently regarded as favorable on the whole. There were reports of increasing weevil

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

• OILS •
CHINA WOOD OIL
PERILLA OIL
SARDINE OIL
SPOT FUTURE
L. N. JACKSON & CO., Inc.
29 Broadway New York, N.Y.

FALKOVAR SKA
A moderately priced kettled fish oil. Excellent for one-coat enamels, gloss whites, egg-shells and flats.
Write for Data Sheet
FALK & CO.
PITTSBURGH, PA.

CRESYLIC ACID
English A.D.F. Specification
JAPAN WAX
FATTY ACIDS
All Kinds
CARNAUBA WAX
T. G. COOPER & CO., Inc., 47-49 N. Second St., Philadelphia, Pa.

THE BRODE CORPORATION, MEMPHIS TENNESSEE
COTTON SEED MEAL, CAKE, HULLS, HULL BRAN, CRUDE AND REFINED COTTON SEED OIL, PEANUT AND SOYA BEAN PRODUCTS
Codes: Yoppe, Robinsons, Bentleys, A. B. C. 5th Edition

activity and damage in Arkansas and Louisiana. A report from Memphis stated that weevil infestation was the worst in many years and that heavy damage is expected. The weekly government weather and crop report stated that in general the weather was favorable for cotton except in some central Gulf areas where there were heavy rains.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from August 13 to August 19, inclusive, comprised 600 contracts, a total of 36,000,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
January	8.24	7.98	8.16@8.19
March	8.26	8.00	8.20@8.21
September	8.24	7.91	8.11@8.15
October	8.20	7.96	8.14@8.15
December	8.22	7.95	8.15@8.16
Crude, Southeast, 0675@0700 nom.			

Chicago, Aug. 19.—Moderate declines have been reported in the cottonseed oil market, as buyers hesitated and some material continued to be offered in line with the prevailing situation as reported in other market centers. Good, off-Summer yellow fig oil is 8¼c. per gallon. Refined edible oil is 10c. to 10¼c. per pound, barrels, car lots, and 10¼c. to 10½c., barrels, less than car lots.

Hull, Aug. 19.—Quotations on cottonseed oil were:—

	Refined. Per cwt. s.	d.	Egyptian crude. Per cwt. s.	d.
Saturday	22	3	19	3
Monday	22	3	19	3
Tuesday	22	3	19	3
Wednesday	21	6	18	6
Thursday	21	6	18	6
Friday	21	6	18	6

Cake and Meal.—Southern markets were generally quiet, domestic and foreign buyers being disposed to await further developments. Offerings were reported as light in all sections.

Markets at Other Centers

Atlanta, Aug. 17.—Cottonseed products firm. Cotton is being harvested in the lower cotton belt and reports were current during the past few days of the first bales ginned. Asking 7c. to 7¼c. per pound for crude oil, and 8 percent meal is being held at $24 per ton at interior mills, with little available.

Memphis, Aug. 19.—Crude cottonseed oil was quiet. A few scattered sales of old crop were reported at 6¾c. per pound for prompt shipment from Valley points, and that figure is still bid. No sales or offerings of new crop crude were reported in this section, as seed has not commenced to move. Picking will probably start next week if the weather remains favorable. Meal quiet and steady. Prime 41 percent quoted at $22 per ton, Memphis basis. Prime 42 percent slab cake, $18.50 to $19 per ton at Valley points. Considerable rain in this section recently, and reports are increasing of boll weevil damage in Mississippi and Arkansas. Planters report the weevil infestation as the worst in many years and damage is expected to be heavy. Many mills are planning to start crushing between September 1 and September 15 if weather permits picking. Crop appears to be about two weeks late.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	August 12.	August 19.
August	$21.50@21.90	$21.00@—
September	21.15@21.35	21.25@21.50
October	21.15@21.45	21.55@21.85
December	21.35@21.50	21.75@22.00

Fatty Acids

Capric Acid.—Quiet conditions continued to prevail, consumers being disposed to hold off for further developments in other products, but the tone remained steady, as production has apparently been on a limited scale in recent weeks.

Castor Oil.—A steady tone prevailed in the market for this fatty acid and general conditions remained about as noted in the previous week, with a fair movement into consuming channels in the production of cosmetics and synthetic resins.

Coconut Oil.—The market was quiet so far as new business was concerned, although there was a fair movement to makers of soaps and cosmetics. Basic material was slightly easier, but the market for coconut oil fatty acid retained a steady tone.

Cottonseed Oil.—This fatty acid remained steady. The market for basic material had a steadier tone, the trend of quotations being upward at times. The movement to makers of soaps and synthetic resins was on a fair scale.

Perilla Oil.—The market for this fatty acid retained a steady tone despite the absence of any improvement in demand, makers of synthetic resins being inclined to await further developments in basic material. The latter remained firm.

Red Oil.—No change in the character of business was reported although occasional inquiries were received from makers of soaps and compounds used in the textile industry. Quotations were largely nominal.

Stearic Acid.—Raw material was easier but aside from this the situation lacked features of interest. Quotations were generally stationary with the figures more or less nominal. There was a fair movement into consuming channels on contracts but new business was quiet.

Tall Oil.—This fatty acid remained in the same steady position it has occupied for some time past. There was a fair inquiry, the movement into consuming channels apparently being up to that of recent preceding weeks.

Markets at Other Centers

Chicago, Aug. 19.—The generally fatty acids market is reflecting in a limited way the conditions developing recently in the basic oil markets. Buyers are showing some caution and are purchasing only as required, although the current totals of material taken out are reported reaching fairly good totals.

FATTY ACIDS.—Corn oil, double distilled, 8c. to 8¼c. per pound, tankcar; 8½c. to 8¾c., barrels, car lots; 9c. to 9¼c., barrels, less than car lots; coconut oil, acidulated, 8½c. to 8¾c. per pound, tankcar, mostly nominal; 9c. to 9¼c., barrels, car lots; 9½c. to 9¾c., barrels, less than car lots; cottonseed oil, double distilled, 7½c. to 7¾c. per pound, tankcar; 8c. to 8¼c., barrels, car lots; 8½c. to 8¾c., barrels, less than car lots; settled cottonseed soapstock, 60-62 percent basis, 2⅞c. to 3⅛c.; boiled down soapstock, 65 percent basis, 3⅞c. to 4⅛c.; cottonseed foots, 50 percent basis, 1⅜c. to 1½c.

STEARIC ACID.—Distilled, single press, 10c. to 11c. per pound; double press, 10½c. to 11½c.; triple press, 13¼c. to 14¼c.; saponified, ¼c. higher.

Fish Oils

Menhaden.—There was little change in the character of business in the local market for refined oil last week. There were reports of a fair inquiry but in view of recent developments in various other oils and fats recently consumers were disposed to limit their takings to small lots to fill current needs. The market retained a steady tone, quotations being maintained at former levels. Crude oil was quiet with offerings light.

Sardine.—A steady tone continued to prevail in the local market for refined oil, selling schedules being held at the levels ruling in the previous week. There was a fair inquiry for small or moderate quantities for prompt shipment. Crude was steady.

Sperm.—There was a fair demand from local and other consumers and the market remained steady on the basis of previous quotations.

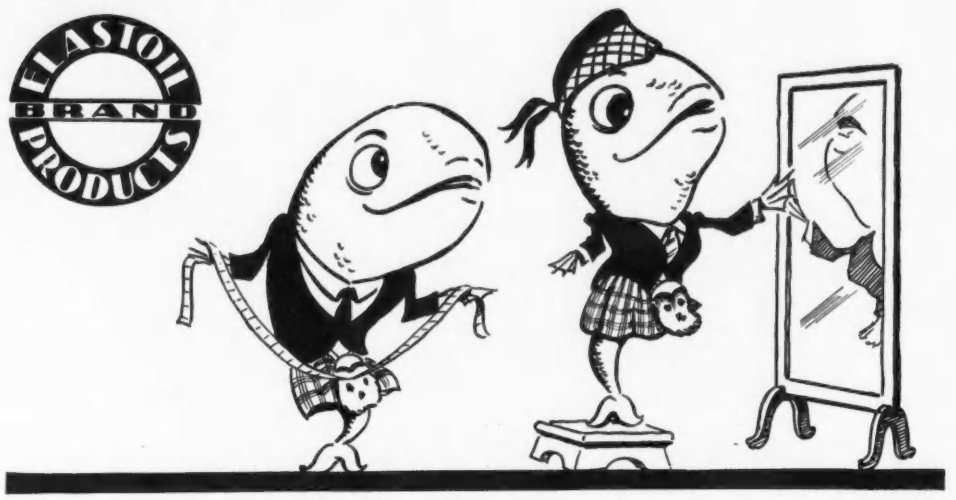
Markets at Other Centers

Baltimore, Aug. 17.—The menhaden fishing down the Chesapeake Bay continues unsatisfactory. For one reason or another the fish cannot be found in such numbers as to make the hauls encouraging, and the additions to the stocks of oil so far obtained fall far short of the business that could be booked. Moreover, the fish caught must be carried over such long distances that the oil is adversely affected by a relatively large acid content, which lessens the desirability of the oil secured. Because of the recognition that the commitments already taken on are not at all likely to be exceeded, the fishing companies do not reach out for further business, and refrain from making offers of consequence. Nonetheless, some small sales are being made from time to time, the latest transactions being at 30c. per gallon, but the price actually amounts to 32c. per gallon, basis Baltimore. No oil

—*Continued on page* 56

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Elastoil Fish Scale Sketches



Elastoils—*Hand Tailored to Modern Paint and Varnish Needs for Economy and Performance*

SARDINE OIL
MENHADEN OIL
PERILLA OIL
SOYA BEAN OIL
WALNUT OIL
CHINA WOOD OIL
OITICICA OIL
RAPESEED OIL
SPERM OIL
WHALE OIL
NEATSFOOT OIL

The development of Elastoils has kept pace with the trend of the times.

As the use of these refined and processed Sardine Oils has spread in the industry, changes have been made in their processing to conform with trade demands. New and improved products have been developed to the extent that Elastoils are universally recognized as the leaders in their field.

Elastoils give a maximum of service at a low cost in a variety of formulations for the paint, varnish, linoleum, printing ink, and allied industries.

Our Technical Service Department will be glad to help you select an Elastoil Product that is practically "Tailor-made" to your need. May we hear from you?

REFINERS AND PROCESSORS
IMPORTERS, EXPORTERS AND MANUFACTURERS

Murray Oil Products Company
Main Office and Plant—Margaret and Pearce Streets, Philadelphia, Pa.

Industrial Oil Products Corporation
Office and Plant—5641-47 South Riverside Drive, Los Angeles, Cal.

A Guaranty of MERCK *Purity & Reliability*

VITAMIN B_1

Merck

CRYSTALS

Pure Crystalline Vitamin B_1 Hydrochloride with a Potency of 300,000 International Units per Gram

IMPORTANT INDICATIONS

Anorexia of Dietary Origin · · Beriberi · · · · Alcoholic Polyneuritis · · · Essential for Optimal Growth of Infants and Children

May be administered orally or parenterally. Very soluble in water and slightly soluble in alcohol.

ASCORBIC ACID

Merck

Pure Crystalline Vitamin C with a Potency of 20,000 International Units per Gram. Equivalent to about 2,000 cc. of fresh lemon or orange juice

IMPORTANT INDICATIONS

For Prevention and Correction of Vitamin C Deficiency. ESPECIALLY INDICATED IN: Restricted Diets of Inadequate Vitamin C Content. Gastro-intestinal Diseases with Impaired Absorption. Allergy to, or Intolerance of Foods Rich in Vitamin C. May be administered orally or parenterally.

Samples and Literature on Request

OTHER DIETARY FACTORS NOW AVAILABLE

Nicotinic Acid **Riboflavin (Lactoflavin)**

MERCK & CO. Inc. *Manufacturing Chemists* **RAHWAY, N. J.**

New York: 161 Sixth Avenue · Philadelphia: 916 Parrish Street · St. Louis: 4528 S. Broadway

In Canada: Merck & Co. Ltd., Montreal and Toronto

Drugs, Fine Chemicals

Spanish Rebel Drive on Almaden Mercury Mines Checked—Aloin Holds Strong—Ephedrine Still Unsettled by Competition —Beverage Acidifiers Move Well—Prices Steady

Inflow of new orders in the market for drugs and fine chemicals continued along conservative lines last week. Needed expansion of volume has yet to be realized to any substantial degree; most buyers remained conservative in their approach to the market and tended to buy little more than their nearby requirements.

Although sales volume left a lot to be desired, it was a satisfaction to manufacturers to note the general stability of prices for most of their products. Values were well held all along the line and it would be difficult to nominate any particular group for real weakness.

Mercurials were specially firm notwithstanding the recent reductions in quicksilver prices on spot. This has been caused probably by the unchanged cost of mercury abroad. Press reports indicated that the Spanish rebels had pressed their drive toward the Alamaden mines but subsequently received a setback at the hands of the government forces.

Beverage acidifiers moved very well on the whole, though possibly not in so large volume as might be wished. Prices were generally well held. Tartar products showed continued strength and absence of unsettling influences.

Alcohols of all sorts were in conservative request, though some gains in sales were noted as interest in completely denatured material tended to grow.

Acid, Acetylsalicylic.—Some slight but steady gain in inquiries and small sales was reported last week and there was reason to expect improvement in trade as Autumn draws near. The market was stable and well held so far as prices were concerned.

Acid, Citric.—Movement was very good on the whole and it was the result of needs arising from the fact that a long, unbroken hot spell kept beverage consumption running to comparatively high levels. The article has had a fair consumption this year and buyers have been never able to purchase at such low prices as have prevailed.

Acid, Gallic.—The N. F. quality of this article displayed price stability that prevailed regardless of the fact that demand for prompt requirements was not especially active during most of the past week. Production costs have aided in the creation of price stabilization.

Acid, Lactic.—Consumption of U.S.P. qualities was fair but hardly expansive last week. Suppliers indicated that volume compared well with that in recent weeks and they also reported very steady prices throughout the entire week.

Acid, Mandelic.—Following a sustained period of price decline, this article took on a steadier position and throughout the past week the very fair movement into consumption aided in holding values fully steady in all quarters. Stocks were of ample size.

Acid, Pyrogallic.—Summer consumption has been very good. Like most photographic materials, this item moved steadily in increased volume and at prices fully firm. This general condition was unchanged last week.

Acid, Tartaric.—Seasonal conditions favored consumption in increased quantities so far as the makers of acidulated beverages were concerned. However, consumption on the part of the technical industries was none too large, though the future seemed to be encouraging.

Alcohol.—Isobutyl alcohol was reduced 1c. per pound, making the tank quotation 7½c. per pound. Sales of completely denatured material have shown some gain of late, this being a reasonable expectation in view of the fact that Fall is not far off and hence jobbers able to store goods have shown a disposition to take on some goods to be distributed during the cold weather months. Specially denatured alcohol moved conservatively and real expansion in sales volume has yet to develop aggressively. Pure ethyl alcohol was in very fair request on industrial account.

Aloin.—Not a tangible sign of relenting strength was noted. In view of the position of raw material, producers of aloin continued to take a strong view on prices even though sales into consumption, as reported by some resellers of the article, were none too satisfactory.

Ammonia Chloride.—In view of the fact that the best season of the year is only a few months away, a tendency to consider carefully available stocks of unsold material was noted last week. The market was found to be in very steady position and well supplied with reserves.

Antipyrene.—There has been a steady and well sustained movement into consumption this Summer and the market retained firm undertones and price stability throughout the season thus far. Last week, movement continued to be very good and the market was well held.

Bismuth Metal and Salts.—No change in the fundamentally steady to firm position for this group was reported last week. Producers of metal reported an absence of excessive unsold stocks and intimated that the consuming market was very fair. Makers of salts reported a steady price situation and a fair though not enlarged demand from consumers.

Borax.—Outlook for shipments against contracts during the Fall months was said to have improved some. There was a better feeling among consumers and therefore a good movement has come to be expected. Prices were fully stable in all directions.

Cadmium.—With reports from automotive centers showing some improvement in the outlook for manufacturing activities this Fall, reason to expect an increased demand for this metal existed among suppliers. Plating activity was believed certain to expand, accounting for a probable increase in consumption of metal now held in reserve.

Camphor.—Trade was light, so far as the general distribution of this material was concerned. Special consumers, such as the plastics industry, were taking up fair quantities of both good quality synthetic and low grade natural material. Prices were about steady in all quarters.

Castor Oil.—Movement was fair in volume but entirely routine as to sources requiring prompt deliveries. Technical oil found a steady call into consuming trades, and volume was very good. Prices were steady and the market lacked signs of unsettlement so far as values went.

CHICAGO, Aug. 18.—Trade in c.p. castor oil is moderate. There has been a continuing lag in respect to textile business, with other buyers taking fairly liberal amounts. Tone is steady. Ruling prices are:—No. 1, barrels, car lots, 10⅛c. per pound; barrels, less than car lots, 10⅞c.; returnable drums, car lots, 9⅞c.; drums, less than car lots, 10⅝c.; tanks, 9⅜c.; No. 3, barrels, car lots, 9⅝c.; barrels, less than car lots, 10⅜c.; returnable drums, car lots, 9⅝c.; drums, less than car lots, 10⅛c.; tanks, 8⅞c.

Corn Syrup.—For the first time this month prices on this article failed to change. However, a towering crop of raw material was in prospect and, basically, the price for grain was on the weak

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Isobutyl alcohol, 1c. per lb.
Quicksilver, 50c. per flask.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
182.0	**182.0**	**182.2**	**181.4**

Market news that may have developed after this report was sent to press will be found on page 4.

Industrial and Pharmaceutical Chemicals

PHARMACEUTICAL CHEMICALS

ACETANILID
ACETPHENETIDIN
CAFFEINE ALKALOID
CALCIUM LACTATE
GLUTAMIC ACIDS AND SALTS
REDUCED IRON
THEOPHYLLINE ALKALOID

R.W. GREEFF & CO.
10 East 40th Street New York, N. Y.

HEYDEN
FINE CHEMICALS

FORMALDEHYDE
U.S.P.
A clear water white solution of uniform purity

PARAFORMALDEHYDE • METHENAMINE
BENZYL CHLORIDE • BENZALDEHYDE
BENZOATES
SALICYLATES BROMIDES

HEYDEN CHEMICAL CORPORATION
NEW YORK—50 Union Square
Chicago—180 N. Wacker Drive • FACTORIES: Garfield, N. J.—Ferds, N. J.

side. Hence further shift in syrup prices would not surpise.

Creosote.—A fair reserve of stocks exists of this article in all forms at this time, and hence should Fall demand develop earlier or more actively than usual, consumers will find no difficulty as concerns deliveries. Prices were very steady.

Ephedrine.—The market was still on the easy side, since competition remained a constant factor when important sales were in prospect. Not all sellers have met the recent decline in quotations, but may ultimately be forced to do so because of competition. An interesting tabulation of imports of raw material during the first half of this year follows:—

	Pounds.
China	213,928
Japan	161,518
India	446,350
Spain	9,485
Total	831,281

Formaldehyde.—Outlook for consumption in the Fall was said to be fairly encouraging. That during the Summer months has been conservative but the price position remained steady nevertheless. Stability of raw material cost was a contributing factor.

Glycerin.—Conditions changed very little. Demand from consuming industries was no better than fair, though it has shown some improvement over that in the not far distant past. Crude material was available at fairly attractive prices from abroad and that tended to keep down the open market quotations in this country. Soapers' operations accounted for a fair outturn of crude for use by refiners. Prices were well held on all varieties of the item.

CHICAGO, Aug. 18.—No change of importance is noted in the c.p. glycerin market, nor in other grades of material. The business seems to be responding well to seasonal influences, and orders indicate buyers are feeling somewhat more encouraged as to the outlook. Inquiries are fair. Ruling prices are:—C.p., drums, 14¼c. per pound; drums, less than car lots, 14¾c. per pound; cans, 16¼c. to 18¼c., according to quantity; high gravity, drums, car lots, 13¾c.

Mercurials.—Prices were steady and well held notwithstanding the fact that raw material costs have undergone a considerable decline in the past several weeks. As at present quoted, hard mercurials yield a fair profit to the producers. As quoted before the late advances, they yielded more of loss than warranted return, all things considered.

Milk Powder.—Output continued to run in excess of consuming capacity and it was reported that further buying of surplus stocks by the AAA would not be surprising notwithstanding the very large quantities already bought. Large purchases have been already provided for in plans laid out by the AAA.

Quicksilver.—Press reports from Hendaye, France, reported that the Franco rebels early last week were pressing on toward Almaden and the Spanish quicksilver mines. The reports said that the border of Ciudad Real province has been reached and the mines were fifteen miles away. Later reports stated that the Spanish government forces were blocking the drive on Almaden, throwing the rebels back substantially. The local market was lower at $76 to $84.50 per flask with only a few small lots changing hands. Conditions favored buyers with firm orders in hand.

SAN FRANCISCO, Aug. 16.—Unfavorable reports anent the Almaden mercury mine in Spain were possibly the activating factor that caused a more than usual inquiry from the East Coast here during the last day or so, and it appeared probable that there would be some substantial business booked shortly, according to the local trade. However, up to this writing, eastern business has for some time been extremely light, sellers say. A very fair local demand for mining operations continues. Sellers' nominal ideas of price rest around $76.50 per flask.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 500 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	31½	42¾	19⅞
Monday	31½	42¾	19⅞
Tuesday	31½	42¾	19⅞
Wednesday	31½	42¾	19⅞
Thursday	31½	42¾	19⅞
Friday	31½	42¾	19⅞

Trade Briefs

Antigua Botica Francesa, one of the oldest pharmaceutical manufacturers in Peru, has opened in Lima a new laboratory with twenty departments, each specializing in a specific product.

Medicinal and toiletry manufacturers in Denmark have been listed by the Bureau of Foreign and Domestic Commerce, Washington, D. C. The list is available to accredited American firms at 10 cents a copy.

Sun Ray Drug Company July sales amounted to $550,422, against $545.485 in the same month a year ago. Total for the first seven months amounted to $3,481,154, against $3,358.574 in the corresponding period a year ago.

Yeast Held to Be Drug

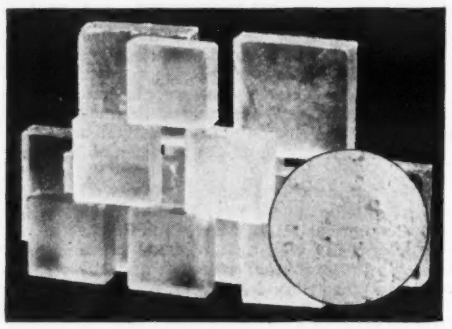
Dried brewers' yeast, produced from a culture of brewers' yeast taken from a brewer's vat, containing no bitter hop resin, used chiefly for medicinal purposes and having therapeutic properties, has been held by the United States Customs Court to be properly entitled to free entry under paragraph 1669, tariff act of 1930, as a crude drug, when shown not to be edible within the meaning of that term. This ruling was made July 29 in the case of the Vegex Company and others against the United States.

PROCTER & GAMBLE
Largest Producers and Refiners of
CHEMICALLY PURE GLYCERINE
U.S.P.
Packed in drums and cans
Also other grades—Stocks in principal cities
Gwynne Building, Cincinnati, Ohio
205 East 42nd Street, New York City
C/P

TARTARS
WILLIAM NEUBERG, Inc., 441 Lexington Ave., NEW YORK, N.Y.
MUrray Hill 6-1990

VITAMERICAN OIL COMPANY, Inc.
11 West 42nd Street - - New York, N. Y.
Phone: LAckawanna 4-0728
HIGH POTENCY COD LIVER OILS
POLLACK LIVER OILS
HIGH POTENCY FISH LIVER OILS
SPOT FUTURE
Quotations and Samples on Request

Every Tablet of
SHERKA
CAMPHOR, U. S. P.
(*Synthetic*)
is identical in quality, purity and capacity for camphor action . . .
for MEDICINAL, MOTH PREVENTIVE and OTHER PURPOSES
Meets all U.S.P. requirements—lower in price than the natural camphor. Tablets (½ and 1 oz.), Slabs (2½ lbs.) and Powder—all available from one source.
Write for comparative samples and prices to
SHERKA CHEMICAL CO., Inc. or Bloomfield, N. J. — Importers
GEORGE UHE COMPANY
80 Eighth Avenue, New York, N. Y.
Distributors



Surface of Sherka Synthetic Camphor U.S.P. Tablet magnified 150 times to show uniform structure and fineness.

BORAX
Reg. U.S. Pat. Off.
PURITY GUARANTEED OVER 99.5%
Reg. U.S. Pat. Off.
AND BORIC ACID
TRONA
Reg.U.S.Pat.Off.
"TRONA" MURIATE OF POTASH
TRONA
Reg.U.S.Pat.Off.
A 95-98% Grade for Agricultural Use.
A Special High Grade for Use in the Manufacture of Industrial Chemicals.
AMERICAN POTASH & CHEMICAL CORPORATION
70 PINE STREET - NEW YORK
Stocks carried in principal cities of the United States and Canada

J.J. Kerrigan Back From European Sojourn

James J. Kerrigan, vice-president of Merck & Co., fine chemical manufacturer, Rahway, N. J., was a passenger on the steamship Queen Mary when she established a new record for the westward crossing of the Atlantic Ocean, arriving here August 8. His "official" return to business was on August 15.

Mr. Kerrigan left the country some six or eight weeks ago, and while

James J. Kerrigan

abroad toured through the Balkan States, Germany, France, and England. The Balkans usually attract him when he goes abroad, and, since parts of the states are associated with the production and merchandising of opium, it is often inferred that Mr. Kerrigan visits the Balkans because of his company's interest in opium as a raw material. Asked about the part opium played in his recent trip, Mr. Kerrigan said last week it was purely incidental. When queried regarding the outlook for the crop, he said that the Turkish government's control of production and sales is apparently highly successful, since, according to statements made to him, had not the control scheme been operative this year, the excellent and propitious weather that favored poppy cultivation would have resulted in a crop of exceptional size.

Since Mr. Kerrigan traveled through those areas in Europe in which political and social conditions have caused concern regarding the peace of Europe, he was asked about his observations in the nations affected. His response to questioning revealed that Mr. Kerrigan is one of that somewhat rare genus of Americans who believe that a short stay in Europe does not qualify them to hand out solemn and almost pontifical opinions on the condition of business, politics, and sociology in middle Europe.

The most he would say was that Europeans do not talk about war to Americans on vacation on the Continent. Nor will the visitor abroad read as much about war and possibility of war as he may in the free press in the United States. He remarked that business in Europe unquestionably is hampered by governmental control of raw materials, by control of production and sales by means of the quota system, by the restrictions on money and foreign exchange—in short, business is hampered by all the artifices whereby foreign governments hope to attain their objectives.

Mr. Kerrigan returned in excellent health, being glad to be home again. He looked on his European sojourn as a pleasant and revitalizing interlude which has given him a clear perspective of American business and its problems.

Noxzema Chemical Forms Department Heads Board

A junior board composed of seven members, representing the various department heads, was organized by Noxzema Chemical Company, manufacturer of toilet preparations, Baltimore, at a meeting in the Emerson hotel August 11. George L. Bunting, vice-president of the company, was made chairman of the board.

George E. Bunting, president of the company, who presided at the meeting, stated that the junior board had been formed so that the department heads would obtain an instrumentality for the exchange of ideas and for presenting new suggestions intended to promote efficiency. Mr. Bunting pointed out that the set-up was patterned along the lines of internal administration utilized by McCormick & Co., spices, disinfectants, Baltimore.

S.B. Penick, Jr., Back at Desk After Eye Operation

S. Barksdale Penick, jr., vice-president of S. B. Penick & Co., botanical drugs, this city, returned to his office last week after an absence of well over a month. Mr. Penick has been convalescent from an eye operation.

During his absence a new office was prepared for him. Larger and much more comfortable quarters were laid out and furnished with equipment calculated to filter out the last bit of drudgery from business and to provide an office in which comfort, convenience and cheeriness prevail. His fellow workers welcomed him back with flowers and good wishes for the future.

Meyer Drug to Observe Eighty-Sixth Anniversary

The Meyer Brothers Drug Company, St. Louis, will observe its eighty-sixth anniversary September 12. The affiliated houses of the company are the Meyer Brothers Drug Company, New Orleans, La., established in 1925, and

Carl F. G. Meyer

the Meyer Brothers Drug Company, Little Rock, Ark., which was opened in 1930.

The business was originally established in Fort Wayne, Ind., in 1852, by Christian F. G. Meyer, and in 1857 the style was Meyer & Brother. Desiring to enlarge its field of activities and realizing the importance of St. Louis as a distributing point, Mr. Meyer decided to establish the St. Louis house.

Officers of the Meyer Brothers Drug Company, reputed to be the largest independent wholesale drug house in the United States, are :—President, Carl F. G. Meyer; vice-presidents, Adolph C. Meyer, Stanley B. Simpson, Carl F. G. Meyer III; treasurer, John C. Vaughan; secretary, Edward P. Schrader; assistant treasurer and secretary, Ewald Habegger. C. A. Iorns is vice-president and manager of the New Orleans house, and R. R. Chamberlain is vice-president at Little Rock.

Knickerbocker Silver Sold

The Knickerbocker Silver Company, Port Jervis, N. Y., has been purchased by Herman Kahn, of the Consolidated Products Company, this city.

The purchase includes the complete stock of silverware, dies, molds, name, trademark and good will of the Knickerbocker company. Mr. Kahn is negotiating with several large department stores for the disposal of the silverware, trade name, dies and molds.

Sharpe & Dohme Strike Ends

The labor strike of employees of Sharpe & Dohme, Inc., pharmaceutical manufacturers, Philadelphia, was terminated August 18, with arrangement that an arbitration board conduct an election to determine the collective bargaining agency for the firm's 1,100 employees. The strike had been in effect since July 27.

Natural Colloids Corporation has been formed in Los Angeles, with 1,000 shares of capital stock.

PLYMOUTH BRANDS
STEARATES - ZINC - MAGNESIA
WHITE MINERAL OILS U. S. P. and TECHNICAL
Manufacturers and Importers for thirty years
M. W PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
55 ANN STREET, NEW YORK CITY

NATIONAL BRAND MILK SUGAR
QUALITY STANDARD THE WORLD OVER SINCE 1883
ALPHA LACTOSE
BETA LACTOSE
POWDERED-GRANULAR
IMPALPABLE
NATIONAL MILK SUGAR COMPANY
Division of The Borden Company
350 MADISON AVENUE NEW YORK, N. Y.

Established 1910
HUISKING
IMPORTERS AND EXPORTERS
DRUGS, CHEMICALS, OILS, RAW MATERIALS Etc.
ALKALOIDS
CAMPHOR NATURAL, Japanese
CAMPHOR, U. S. P. XI, DuPont
COCOA BUTTER, U. S. P.
CONTI WHITE CASTILE SOAP, U.S.P.
Bars, Powdered, Granulated
MENTHOL
SANTONINE
CHAS. L. HUISKING & CO.
— INCORPORATED —
Chicago Branch: 561 East Illinois Street
155 Varick Street New York, N. Y.

THE PEDER DEVOLD OIL CO. LTD. ESTABL. 1872 MANUFACTURERS OF PEDER DEVOLD'S TRADE P.D. MARK CODLIVER OIL ALESUND - NORWAY

MARTENS BRAND OLEUM JECORIS ASELLI
THE CREAM OF MEDICINAL
Cod Liver Oil
★
A/S JOHAN C. MARTENS & CO.
BERGEN, NORWAY
Established 1838
PRODUCERS, REFINERS, WORLD MARKETERS
★
REPRESENTATIVES
H. H. ROSENTHAL CO., INC.
25 EAST 26TH STREET, NEW YORK CITY

The CASCARA SUPPLY

Several million pounds of bark from the cascara tree, such as the one pictured above, are used annnally in the production of pharmaceutical products.

Through special connections in the producing districts we perform a vital part in the distribution of the many trainloads of CASCARA SAGRADA BARK annually used throughout the world.

This year's peeling season has been unusual. Production has been below normal to the extreme of causing sharply advancing prices while outward signs have indicated that a normal crop could be collected. Our regular customers have been repeatedly informed of this likelihood since early in the season.

Quotations today from the origin are approximately 30% higher than those of thirty days ago. Delayed purchases may see higher prices.

Our spot stocks enable us to supply, for immediate shipment, either old or new bark at fully competitive prices.

Write for quotations

S. B. PENICK & COMPANY

132 NASSAU ST., NEW YORK 1228 W. KINZIE ST., CHICAGO

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Walnutshell Flour Has Unique Properties

The shell of the English walnut resists decay almost completely when exposed to the elements or even when buried underground for years. This property is attributed to the peculiar cutinized liquocellulose complex of which the shell is composed, and which is said to be different from all woody substances. Physically and chemically the shell is unlike any other material. Approximately 94 percent of its weight is lignin, cellulose, and cutin, with a notably high content of lignin—cutin is not generally present in wood.

The English walnut shell is of homogeneous structure, tough, strong, and free from lines of cleavage. It burns to less than 0.5 percent of ash (calcium, magnesium, phosphorus, and potassium). It can be converted into approximately 39 percent of high-density low-ash carbon.

These characteristics attracted attention to the English walnut shell as a potential industrial material several years ago—20,000,000 pounds of the shell is available annually. The California Walnut Growers Association subsequently equipped a pilot plant for the grinding of English walnut shells and about three years ago began to market its limited tonnage production under the name of walnutshell flour. Several uses for this material have been developed, and it is said that the flour, possessing the peculiar properties of the shell, is adapted to uses for which no other material is suitable.

Late last year the walnut growers' pilot plant was purchased by Agicide Laboratories, Milwaukee, which entered into a long-time contract for the thousands of tons of walnut shells accumulating annually in California. Agicide Laboratories has expanded the equipment of the grinding plant, and reports that it is producing in large tonnage walnutshell flour of uniform commercial grades. Concerning this product the producer says:—

The University of California, the Bureau of Chemistry and Soil of the United States Department of Agriculture, and other authorities have, by analyses, established the following regarding walnutshell flour:—

	Percent.
Moisture (at 80° C for fifteen hours)	6.70
Nitrogen	0.10
Furfural (calculated as pentosan)	9.27
Methoxyl	7.01
Sugar (calculated as glucose)	0.19
Mannan	0.00
Cellulose*	60.00
Lignin*	29.80
Cutin* (not present in wood)	4.20
Carbon (high density, low ash)	38.60
Liquid Distillate	44.00
Ash (Calcium, potassium, phosphorous magnesium)	0.38
Solubility—	
Ether	0.20
Alcohol-benzene	2.17
Alcohol (95%, four hours)	2.56
Alcohol (80%, nine hours)	3.12
Cold water	1.02
Hot water	2.21
1% NaOH (acid)	14.86

* The cellulose, lignin and cutin contain the methoxyl and furfural yielding materials.

Walnutshell flour weighs from 26 pounds to 34 pounds per cubic-foot, depending upon the grade. The finished flour, accurately classified and blended to uniform standard, is packed in paper-lined burlap bags containing approximately 3½ cubic-feet, weight 100 pounds.

In the production of walnutshell flour, all meat particles, fins and linings are removed from the shells. The shells are then sterilized and the cleaned particles, too tough to crush by ordinary methods are pulverized by a cutting process that yields particles of varying sizes in the following proportion:—

	Percent.
On 12 mesh screen	2
Through 12 on 20 mesh	16
Through 20 on 30 mesh	21
Through 30 on 40 mesh	13
Through 40 on 60 mesh	10
Through 60 on 80 mesh	7
Through 80 on 100 mesh	5
Through 100 on 150 mesh	4
Through 150 on 200 mesh	6
Through 200 mesh (C-200)	16

This standard product is divided into six stock size combinations:—

A—Through 12 on 20 mesh screen.
B—Through 20 on 40 mesh screen.
C—Through 40 on 80 mesh screen.
D—Through 80 on 200 mesh screen.
E—All through 200 mesh screen.

Special combinations of sizes, either in series or interrupted series are produced to meet industrial requirements.

Walnutshell flour, especially the coarser grades, serves as an excellent cleaner and polisher in the fur, metal and other industries; also as a producer of voids in firebrick and high-temperature ceramics and as wearing surfaces in the manufacture of highgrade linoleum and magnesite flooring. Walnutshell flour, under heat and pressure, with little or no additional binder, forms a tough product that takes high polish.

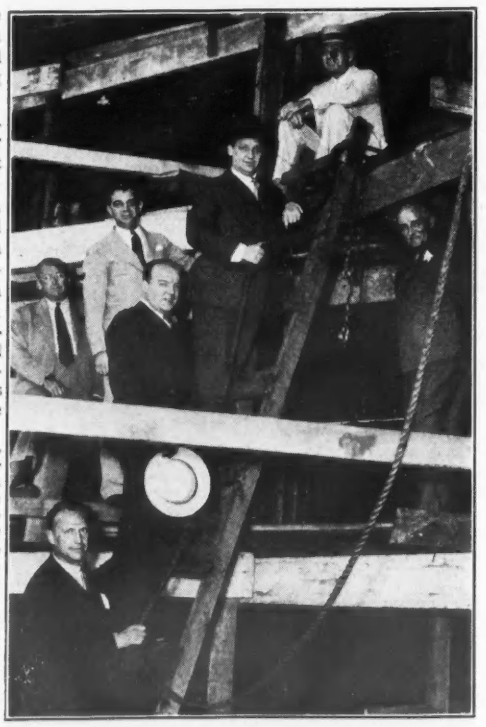
The use of medium-sized walnutshell flour in the manufacture of plastics, rubber, and high-voltage insulative products, reduces weight and cost and increases strength and wearing qualities. The same sizes are used in the manufacture of paper, glue and dynamite.

The finer-mesh walnutshell flour is a natural carrier of insecticidal and fungicidal toxics and of the medical element in stockfoods. These fine grades serve as a cosmetic base and when properly treated, form a facing and parting dust used in the foundry industry.

Walnutshell flour is used in many products not referred to above. Samples, prices, and related information will be supplied upon request.

Drug Press Editors Inspect Progress of World Fair Plans

Preliminarily entertained and informed by Earle A. Meyer, president of The Show Globe, Inc., at luncheon in the Hotel Pennsylvania, a group of drug journal editors accompanied Mr. Meyer to the New York World Fair grounds August 8 to observe the progress in construction of the Hall of Pharmacy in which The Show Globe, Inc., will sponsor exhibits of the drug industry.



The visitors, piloted by S. L. Mayham, booking agent for drug and cosmetic exhibits at the fair, climbed over scaffolding, straddled trenches, hurdled girders, and looked with appreciative eyes upon the devolution of the magnificent structure through stages of steel frame, wooden rafters, plasterboard sheathing, wire lathing, pipes, and wires. The official photographer came upon them as they rested, and in his picture are:—

Top, Hugh Craig, of the OIL, PAINT AND DRUG REPORTER—a motion picture of his descent from the lofty perch would have been more interesting—next below, Thomas R. Farrell, of *Drug and Cosmetic Industry;* to the left, Harold Hutchins, of *American Druggist;* in next row, James Geoghan, of *Chain Store Age;* Ray Schlotterer, secretary of the Drug, Chemical, and Allied Trades Section of the New York Board of Trade; L. J. F. Moore, of *American Druggist;* below, Earle A. Meyer, president of The Show Globe, Inc.

Chester Armstrong is building an addition to his paint factory at 3339 East Pico boulevard, Los Angeles, Calif.

Botanical Drugs, Spices, and Gums

Weakness and Decline in Golden Seal Prices Believed Temporary —Aloe Shows a Firmer Undertone—Ergot Sales Hold Up Well —Cascara Still in Formative Stage

Signs that Summer was drawing to a close were found in the market for botanical drugs last week. While the gain in sales was moderate, the improvement in inquiries was fairly substantial according to some quarters and there was evidence that manufacturing consumers will enter the market for reasonable quantities of crude drugs during the Fall season directly ahead.

Prices seemed to have developed firmer undertones. At least, there were far fewer changes than normal and most sellers felt that values were at levels likely to be maintained until such time as a considerably broader trade shall develop. When such improvement shall have come, it was also felt that present values in many instances were likely to be displaced by somewhat higher quotations.

In a general sense, there has been no over production of botanical drug merchandise thus far this Summer. At home and abroad, reports have indicated that conservative collections have been fairly general, and that conditions seems to be reflected in the well maintained prices quoted at the sources of supply.

Certainly, the market lacks signs of weakness at this time and most factors look forward to probable accession of real strength to the market.

Entries of botanicals at the port of New York since the week of January 1, 1938, the detentions of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	454	1,014
Belladonna	51	245
Caraway	784	6,113
Cardamom (cases)	45	1,044
Celery	...	1,223
Coriander	2,012	4,440
Cumin	412	1,294
Digitalis leaves (cases)	68	77
Dill	...	300
Fennel	236	679
Henbane leaves (bales)	42	107
Mustard	200	20,206
Poppy	300	23,676
Sage leaves (bales)	25	400
Sesame	953	7,926
Stramonium (bales)	516	518
Thyme (bales)	9	506

Price Changes

Prices were changed during the past week as follows:—

Advanced

Cassia, China, extra select broken, ¼c. per lb.
Clove, Madagascar, ¼c. per lb.
Canary, Morocco, ½c. per lb.
Turkish, ½c. per lb.
Argentine, ½c. per lb.

Reduced

Buchu leaves, 1c. per lb.
Cinnamon, No. 2, 1c. per lb.
No. 3, 1c. per lb.
Caraway, No. 3, 1c. per lb.
Celery seed, Indian, ¾c. per lb.
Ginger, African, ½c. per lb.
Jamaica, medium bold, ½c. per lb.
Gentian root, whole, ½c. per lb.
Golden seal root, whole, 25c. per lb.
powdered, 25c. per lb.
Mace, Banda, ½c. per lb.
Millet seed, yellow, ⅜c. per lb.
Pepper, black, Alleppy, ¼c. per lb.
Lampong, ½c. per lb.
Pimento, ½c. per lb.
Pepermint leaves, domestic, 1c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
122.7	124.6	123.1	126.1

Market news that may have developed after this report was sent to press will be found on page 4.

Balsams

Peru.—A slightly improved movement of this material was reported last week. Most of the orders were not very large but they were fairly numerous and resulted in the market becoming more steady than it had been.

Tolu.—Jobbing business made up the bulk of demand for this item. And there was not too much of such interest displayed by buyers for consumption. The general undertone of the market was steady, however, because of the absence of unsettlement in the cost of replacements.

Barks

Barberry.—Most sellers took a firm view on the replacement situation for the reason that there were no signs pointing to a probable reduction in shipment quotations. Not much selling was done last week and practically all was for immediate needs.

Buckthorn.—Stocks available on the spot market were such that little interest in replacement offerings has been shown by local dealers. However, there was reason to think that business in the Fall would be an improvement over that usually shown.

Cociliana.—Inactivity of buyers tended to keep the market slightly unsettled but the situation did not extend to open reduction of prices last week. Conditions favored buyers, however, should business be of attractive size.

Elm.—A steady accession of stocks in the primary market has suggested that available supplies will be sufficient for probable consuming requirements during the coming Winter period. Prices have worked down fairly well and the feeling here was that present values would be maintained.

White Pine.—In anticipation of an active Winter season of consumption, suppliers both on spot and in the primary market have been laying in a very good stock of this article. However, the prices already paid make it unlikely consumers will pay less than current values.

Beans

Tonka.—Jobbing business was steady even though it was not large as to total. The undertone of the market was exceptionally firm on spot, reflecting an absence of weakness or unsettlement in the primary market.

Vanilla.—The full advance on Mexican bean prices was maintained last week and the market on all vanilla beans was strong. Future exports of Mexican beans must carry an export tax of 12 percent, imposed by the Mexican government as a measure to improve Mexican finances. The Bourbon bean market was strong in France where prices were well maintained and stocks were conservative in size. Local demand was reported to have been very fair throughout the past week and the tendency of values was still upward.

Berries

Raspberries.—Fairly well stabilized market conditions prevailed on the spot last week. Fair stocks were available in the Pacific Northwest, and prices were said to have become more stable following the several reductions in the recent past. Locally, sellers took a fairly steady view on values.

Saw Palmetto.—The slight improvement in market conditions continued to prevail. While prices have not been advanced further, they were at least steady in the absence of excessive competition in local circles. Demand was narrow.

Flowers

Chamomile.—Summer business has been very fair, especially as concerned the manufacturers of rinses and hair washes. Pricewise, the spot market was reported to be on the steady side as concerned both spot and replacement values. Crop conditions in Europe have been reasonably favorable.

Elder.—No further change in quotations on bright flowers was made last week, but the market was substantially firm in undertone, and sellers maintained values on the very fair amount of business done during the period under review.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Professionally Milled
ANALYZED - STANDARDIZED
CRUDE DRUGS
Acacia Gum, Aloes, Aniseed, Buchu Leaves, Chamomile, Elm Bark, Ergot, Fennel Seed, Irish Moss, Lavender, Myrrh Gum, Papain, Quince Seed, Saw Palmetto, Senna Leaves, Tragacanth
The Earth Contributes AND J.L. HOPKINS & CO. DISTRIBUTE ALL KINDS OF ROOTS, BARKS, HERBS, GUMS, LEAVES & SEEDS, WHICH ARE USED FOR MEDICINAL PURPOSES WHOLE, GROUND OR POWDERED
J. L. HOPKINS & CO.
220 BROADWAY • NEW YORK CITY

Vanilla Beans--Tonka Beans
Thurston & Braidich, Importers, 286 Spring Street, New York

GUMS
IMPORTERS
GUM ARABIC
GUM KARAYA
GUM TRAGACANTH
LOCUST BEAN GUM
(CAROB FLOUR)
NEW ENGLAND REP.
G. H. BUNTON
CAMBRIDGE, MASS.
PHILADELPHIA REP.
R. PELTZ & CO.
112 SO. 16TH ST.
PAUL A. DUNKEL & CO., INC.
82 WALL ST., NEW YORK, N.Y. HANOVER 2-3750

Linden.—Flowers with leaves still had the firm undertone that accompanied the advance in quotations during the previous trading period. The replacement position warranted that on spot, it was said, and sellers were not the least inclined toward shading even under competitive circumstances. Flowers without leaves were steady but unchanged.

Pyrethrum.—The situation remained very firm. Conditions have been favorable for a good consumption of sprays and powders based on this article. Some improvement in the new crop in Japan, compared with the large amount of subquality material which was shipped from the crop of 1937, has been forecast in information originating in the primary market. Spot quotations on powder were firm.

Saffron.—Demand was narrow, and persistent competition on spot tended to keep quotations lower than some felt were justified on the basis of the present cost to import Spanish material. However, the market was still $28 to $30 per pound, as to seller.

Gums

Arabic.—Undertones seemed to be slightly firmer. Less tendency toward shading of open quotations was noted, and there was also some disposition to strive for sales at prices fractionally higher than the general going market. Stocks seemed to be of ample size.

Aloe.—Strong undertones prevailed notwithstanding the lack of large business during the past week. The strength of the market traced back to the situation in the primary markets, especially that concerning Curacao gum. The latter crop was far under normal, and prices were strong and high.

Asafetida.—Powdered gum was in light supply, although all selling the article in that form accepted business subject to delays caused by climatic conditions, which have been especially adverse this Summer. Prices were steady to firm.

Benzoin.—Because reserve stocks of Sumatra gum were light, holders took a firm view on the market and were not disposed to accept bids. Demand was not especially active, being usually confined to quantities rarely in excess of jobbing size.

Tragacanth.—Prices held steadily, and, while demand was not exceptional, it was still fair in size and free from influences likely at an early date to affect values adversely. Control of prices by the primary market government was still effective.

Herbs and Leaves

Buchu.—Slightly more favorable prices at the source, coupled with increased desire to sell, brought a further reduction in spot prices last week. The market became 39c. to 40c. per pound and the undertone was said to be quite easy thereat.

Horehound.—A firmer trend in foreign market prices was reported and the spot situation seemed to be potentially improved. Quotations at 8½c. to 9c. per pound were much more firmly maintained and competition was less apparent than it had been.

Laurel.—Jobbing business prevailed and was about sufficient in volume to bring confirmation of prevailing quotations that were backed by moderately sized spot supplies.

Peppermint.—Domestic leaves were shaded to the basis of 25c. to 27c. per pound, being the result of new crop influences on a spot market that was seasonally inactive throughout the past week.

Sage.—Seasonal expansion in demand was expected to develop in the not far distant future. Sausage manufacturers will be in the market with pork products when cool weather sets in and hence suppliers of this flavoring material are looking for more business to be developed. Prices were said to be very steady.

Miscellaneous

Cassia Fistula.—Although trade was moderate, the absence of excessive spot stocks tended to keep the market one of steady undertone and price. Values were said to be about normal for this time of the year.

Ergot.—Further expansion of what is believed to be latent strength at home and abroad has not come. A fair

Scientific and Professional Services

Alexander, Jerome
Consulting Chemist and Chemical Engineer
Especial experience in colloid chemistry and its applications. Representation for Patents, Processes, Products and Apparatus. Research Advice, Investigations, Expert Testimony.
50 East 41st Street — New York City
Member:—Association of Consulting Chemists and Chemical Engineers

Philip B. Hawk, Ph.D., Pres. — Bernard L. Oser, Ph.D., Dir.
FOOD RESEARCH LABORATORIES, INC.
114 E. 32nd Street, New York
Research — Consultation — Testimony
FOODS — DRUGS — COSMETICS
SPECIALISTS IN VITAMINS
Members Association of Consulting Chemists and Chemical Engineers
Write for "Science at Your Service"

GOODMAN, REX, M.D.
Formerly Medical Officer, Drug Division Food and Drug Administration, Washington
Consultant
Labeling and Advertising of Drug Preparations, Cosmetics, etc., under the Federal Food and Drugs Act and Law Enforced by Federal Trade Commission.
Cary . . . . . Mississippi

Charles H. LaWall — Joseph W. E. Harrisson
LAWALL AND HARRISSON
Analytical and Consulting Chemists
Pharmaceutical and Chemical Research. Process and Formula Development. Food, Drug and Water Analyses. Legal Testimony.
214 So. 12th Street, Philadelphia, Pa.

Pease Laboratories, Inc.
CHEMISTS — SANITARIANS — BACTERIOLOGISTS
ANALYSTS — SCIENTIFIC LIBRARY SERVICE
MEDICAL ADVERTISING AND TECHNICAL CONSULTANTS
39 West 38th Street . . . . . New York

Protect Your Ideas By PATENTS
Call or send me a sketch or simple model
WHAT IS YOUR INVENTION?
Z. H. Polachek — 1234 BROADWAY NEW YORK — PATENT ATTORNEY — CHEMICAL ENGINEER — CONFIDENTIAL ADVICE
Register Your TRADE MARKS
U. S. Pat. Off. records searched ANY Invention or Trade Mark
FREE { CONSULTATION / LITERATURE
Phone LOngacre 5-3088

W. S. Purdy Co., Inc.
ANALYTICAL AND CONSULTING CHEMISTS
Petroleum Oils, Waxes, Greases, Soaps, Fuel Oils, Coal
Phone HAnover 2-3772
128 Water Street — New York City, N. Y.

Sadtler, Samuel P., & Son, Inc.
Research and Analytical Chemists
CHEMICAL ENGINEERS
Patent and Legal Testimony
210 South 13th Street . . . . . Philadelphia, Pa.
"Nothing Pays Like Research"

BACTERIOLOGY
Research — Routine
Industrial — Medical
LELAND BROWN LABORATORIES
6816 Market St. — Upper Darby, Pa.

Barsky & Strauss, Inc.
Chemists and Chemical Engineers
202 East 44th Street
New York City
Telephone: MUrray Hill 2-3589 — Cable Address: "Barstra"

Bureau of Chemistry
New York Produce Exchange
H. B. Trevithick, Ph. B., B. S.
2 Broadway — New York
Cottonseed Oil, Oils, Greases, Soaps, Turpentine, Glycerine, Cattle Feeds, Spices, Chemicals, etc.
Consultation—Research.

Calvert, Robert
Registered Patent Attorney since 1930
CHEMICAL PATENTS
Particularly experienced in Plastics, Resins, Cellulose Derivatives, Lacquers, Solvents, Petroleum Synthetics, Miscellaneous Products.
50 E. 41st St., N. Y. — LEx. 2-7649

Michael J. Carpinello, Inc.
OFFICIAL and LICENSED SAMPLERS, WEIGHERS, and INSPECTORS
Members N. Y. Produce Exchange, Oil Trades Association of N. Y.
Official Weighers, Inspectors and Samplers for the N. Y. Produce Exchange, the National Cottonseed Products Assn., the N. Y. Cocoa Exchange, Inc.
2 Broadway, New York. Tel. BO. 9-0416

Collapsible Tube Filling
Ointments, Lubricants, Adhesives, Polishes, Cosmetics, Dental Creams, etc.
Your material or ours. Manufacturing facilities from 1 gross up. Complete packaging if you wish. Reasonable rates. Let us quote you.
Day Chemical Co. — 480 Washington St.
Irving Biber, Ph.G. — Newark, N. J.

Ellis-Foster Company
Established 1907
Research and Consulting Chemists
Specializing in Synthetic Resins and their Plastics and Related Subjects
96 Greenwood Ave. Montclair, N. J.
Telephone—Montclair 2-3510

ANTI-KNOCK VALUE DETERMINATIONS
The Gray Industrial Laboratories
Chemists and Engineers
Specialists on Petroleum Products
961-976 Frelinghuysen Ave., Newark, N. J.
Telephone: BIgelow 3-4020

Hochstadter Laboratories, Inc.
Chemical Analyses, Consultants, Technical Experts, Investigations, Litigation.
Coals, Oils, Water, Foodstuffs, Gelatine, Beverages, Dairy Products, Confectionery, Drugs, Minerals, Textile Materials, etc.
Phone LOngacre 5-5260—5261.
254 West 31st St. — New York

DRAWBACK SPECIALISTS
We specialize in the collection of drawback refunds of duty or tax paid on materials used in the manufacture of products for export.
C. J. Holt & Co., Inc.
8-10 Bridge Street — New York, N. Y.
Phone BOwling Green 9-6841

INDUSTRIAL CONSULTING LABS., Inc.
Consulting Chemists
Paints, Varnishes, Lacquers
128 Water Street — HAnover 2-1999

If Your Professional Card
were here others would be reading it now.
Send for rates.
Oil, Paint and Drug Reporter
59 John Street, New York

Knight, B. H.
Analytical and Consulting Chemist
50 East 41st Street — New York
OFFICIAL ANALYST
U. S. Shellac Importers Assoc.
Am. Bleached Shellac Mfrs. Assoc.

Laning Company, E. M., Inc.
Consulting Chemists
Specializing in Perfume, Toilet Preparations, Pharmaceuticals and Flavors Exclusively. Formulae Perfected. Problems Solved. Plants Equipped.
435 Stuyvesant Ave., Irvington, N. J.
Phone ES. 2-8433
E. M. Laning, B. Sc., President
Robert C. Pursell, Phar. D., V-Pres.

Miel, George A.
Analytical & Consulting Chemists
Specializing in the:
Physical and Chemical Analysis of Paints, Varnishes, Shellacs, and materials of the Paint Industry.
128 Water Street — HAnover 2-9096

Molnar Laboratories
Chemists—Bacteriologists
Beverages, Oils, Foods, Drugs, Water Analyzed, Toxicological Studies.
Nicholas M. Molnar, M.S., F.A.I.C.
Member Assn. Consulting Chemists
211 E. 19th St. — New York City
GRamercy 5-1030

Munch, James C., Ph.D.
Consultant and Laboratory Service
Pharmacology and Bioassays
Bioassays, U.S.P. and other methods. Abstracts of the literature.
Pharmacological study of new drugs. Toxicity determinations.
Developments of new methods of assay.
6816 Market St., Upper Darby, Penna.

Orthmann Laboratories, Inc.
AUG. C. ORTHMANN, Director
Specialists in Leather and Allied Industries.
Consulting, Analytical and Research
847 W. Virginia Street, Milwaukee, Wis.

Schwarz Laboratories, Inc.
Analysts — Biologists — Consultants
BEVERAGES, EDIBLE OILS
ESSENTIAL OILS, FOODS, WATER
202 East 44th Street — New York, N. Y.
MUrray Hill 2-0007

Seil, Putt & Rusby, Inc.
H. A. Seil, Ph. D., Earl B. Putt, Ph. C., B. Sc.
SPR
Analytical and Consulting Chemists
Drugs, Spices, Essential Oils, Flavoring Extracts, Foods, Beverages.
Phone ASHland 4-4343.
16 East 34th St. — New York City

ADHESIVE SPECIALIST
IRA I. SLOMON
For New and Original Ideas
L. I. City, N. Y.

Snell, Inc., Foster D.
CHEMISTS—ENGINEERS
Every form of chemical service.
305 Washington St. Brooklyn, N. Y.

Stillwell & Gladding Established 1868
Analytical and Consulting Chemists
Oils, Soaps, Fats, Paints, Varnishes, Drugs, Gums, Foods, Glycerine, Turpentine, Waxes, Spices, etc.
Member Association Consulting Chemists and Chemical Engineers
130 Cedar Street — New York

TRANSLATIONS
Authoritative Translations from and into French, German, Italian, Portuguese, Spanish, etc.
All Chemical Subjects: Organic and Inorganic Chemistry, Petroleum, etc.
EXPORTERS' & MANUFACTURERS' TRANSLATION BUREAU
Chemical Dept.
11 W. 42nd St., New York City
BRyant 9-5106

Vorce, L. D.
Chemical Engineer
Electrolytic Cells
Chlorine, Caustic, Hydrogen.
20 Norman Road — Montclair, N. J.
Telephone 2-4516

Weiss and Downs, Inc.
Chemical Engineers
SYNTHETIC PHENOL
50 East 41st Street
New York, N. Y.

Wiley & Co., Inc.
Analytical and Consulting Chemists
Specializing in analysis of beverages, fertilizers, phosphates, wood pulp, coal and coke, feeding materials, etc.
Calvert and Read Streets, Baltimore, Md.

amount of business was done last week and the asking price for moderate quantities was $1.65 to $1.70 per pound. The inside has been shaded at times. Future developments will come according to what happens in Spain and Portugal.

Irish Moss.—Jobbing business was fair but the call seemed to be irregular for the most part and was confined to immediate and usually small manufacturing requirements. More active movement seemed to be a reasonable prospect when Fall arrives.

Kola Nuts.—Consumption has been very good on the whole and has aided in keeping the market generally steady in price and undertone. Reserves on this market at the present time were said to be moderate, seasonal consumption having reduced them to some extent.

Papain.—Competition was still current to an important degree and the market as a whole lacked the sustained strength that some had expected to develop. However, no change in open quotations was made.

Roots

Aletris.—Country stocks will be conservative in size this year since available labor supply has been such as to make for moderate collections in the main. Prices were generally steady.

Gentian.—Quotations on whole root were shaded to 8½c. to 9c. per pound, but sellers of powdered and granular material failed to change their schedule. Stocks for use during the coming season of larger consumption were said to be fair.

Golden Seal.—Prices were lower, but not in all quarters. Whole root was noted at $2.95 per pound, but important sellers were not disposed to take orders at less than $3.25. Powder ranged $3.15 to $3.40 as to seller. It was felt that low prices would not last very long once the crop is completed.

Rhubarb.—Although prices continued to favor buyers, the market seemed to be slightly steadier than it had been when pressure from primary market sources contributed to a steady weakening of spot quotations. The decline has been substantial.

Seeds

Anise.—Star seed was shaded to 12¾c. to 13¼c. per pound, but no change was made in the price on Spanish material. The latter was very firm, however, because of the situation in the primary market.

Canary.—Quotations were slightly lower at 4.40c. to 4.65c. per pound for Morocco, and 4.30c. to 4.60c. for either Turkish or Argentine material. These shiftings of price reflected more favorable import cost of the items priced.

Caraway.—More liberal offerings at slightly lower primary market prices resulted in spot quotations receding to the basis of 6⅝c. to 7c. per pound but demand was no better than normal.

Celery.—Indian seed was down sharply to 11c. to 11½c. when lower cost made for increase in local competition. French seed was quiet and fairly easy at 13¾c. to 14c. per pound.

Cumin.—Morocco seed was entirely out of the market and hence business was done solely in Algerian material, which was slightly lower at 9¼c. to 9½c. per pound last week. Trade was slow.

Spices

Cassia.—The sole change in price came in extra select China material in broken form, that material selling at a fractional advance to 4¾c. to 5c. per pound. All other varieties were steady.

Cinnamon.—Quotations were down substantially to 15¾c. to 16c. per pound for No. 2, and to 14¾c. to 15c. for No. 3. Competition was much keener and consumer outlets were not numerous during a week that was distinctly favorable for buyers.

Clove.—Madagascar spice was advanced to 14¾c. to 15c. per pound. Zanzibar was unchanged, a condition entirely natural for the reason that the price is well controlled in the primary market.

Ginger.—African root reacted downward to the basis of 6¾c. to 7c. per pound. Cochin lemon was shaded to 10c. to 10½c. Medium bold Jamaica root was off to 12c. to 12½c. Other varieties and qualities of this root lacked quotable change. Replacements were more favorable in price but the market was also subject to more than usual competition.

Pepper.—Black Alleppy pepper was shaded to 7¾c. to 8c. per pound; Lampong, 5c. to 5¼c. Red and white peppers lacked change. None were in especially active demand so far as grinders were concerned but a fair speculative interest in futures was disclosed.

Trading in black pepper futures on the New York Produce Exchange from August 13 to August 19, inclusive, comprised 296 contracts, a total of 9,945,600 pounds. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
January	4.86	4.57	4.65@4.68
March	5.00	4.70	4.75@4.80
May	5.12	4.77	4.85@4.85
June	5.20	5.20	4.90 nom
July	5.23	4.85	4.95@4.97
September	4.65	4.45	4.42@4.45
December	4.73	4.53	4.60@4.63

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Essential Oils, Aromatic Chemicals

Replacement Prices on Citronella Too High to Interest Buyers Here —Competition for Orange Orders Very Keen—Peppermint Holds Firm in Middlewest Market

Business in the market for essential oils and aromatic chemicals continued moderate last week. Most suppliers of these entities reported that trade was dull, consisting usually of smaller purchases dictated by requirements, usually of jobbing character. Pricewise, the market displayed a deal of stability, and it was clear that many sellers were determined and able to await improvement in demand, avoiding recourse to price competition in the meanwhile.

Citrous oils had a fair but probably less than expected call. Prices on lemon and orange were easy and subject to competitive pressure. Peppermint held well in the middlwest, where accumulation of new crop has not weakened recent prices in the least. Other domestic oils have not been mentioned much, either as to probable production or as to new crop prices.

French oils were fairly steady, with occasional "bargains" being reported temporarily in the market. Demand for the group as a whole was moderate.

Citronella oil in Ceylon was held at prices spot dealers and users were not disposed to pay. However, there was a firm to strong undertone at the source, from whence came reports that unsold stocks were very small.

Imports of essential oils during the first half of the current year declined around 20 percent from the 1937 level, but were still above receipts in the first six months of 1936.

	January-June 1937.	1938.
Cassia and cinnamon...	$132,039	$142,105
Geranium	311,599	175,208
Otto of roses.....	127,309	68,266
Bergamot	177,141	194,813
Citronella and lemongrass	295,382	357,623
Lavender	209,524	116,256
Lemon	132,076	141,417
Orange	196,023	124,742
Sandalwood	12,234	5,573
Lime	402,187	161,437
All others.....	1,015,476	497,480
Total.....	$3,010,990	$2,284,920

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
69.8	69.8	70.3	83.3

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Amber.—Quiet trade and undertones prevailed on the spot, and for the most part the situation seemed to be reasonably steady and free from unsettlement. Prices were well held everywhere.

Anise.—The market was steady. While not a great deal of demand came to the spot, there was a fair call that aided in keeping quotations to a steady position and which also tended to reduce competition to moderate limits.

Bay.—Not large but reasonably substantial and very steady demand was reported last week. The market was steady in most respects, and competition was not very much a part of transactions during the period under review. Stocks were of fair size.

Bergamot.—Routine interest was displayed by manufacturing consumers, and for the most part the market differed very little from that current for some time past. Buyers bought goods as needed, and found little difficulty in getting ample prompt deliveries.

Bois de Rose.—Jobbing business was very good on the whole. Most orders were for small lots, but there was a fair run of such trade, and it was taken on the basis of prices that were steady and well maintained throughout the entire period.

Camphor.—Trade was light. Volume was down to a level fully as low as that in most Summer seasons and it was built mainly of small requests. Pricewise, the market on spot reflected steady to firm conditions prevailing in the primary market.

Caraway.—It appeared probable that the producers would be well supplied with raw material obtained at reasonable cost. Hence, the trade last week was disposed to the opinion that prices would continue in well stabilized position. Sales usually covered prompt needs.

Cassia.—Prices held steady. While not backed by large demand, they received a fair jobbing support that reached moderate volume by the close of last week. Replacement conditions changed not at all but, of course, the future was still uncertain and subject to war.

Cedarleaf.—The decline in price has stopped and for the most part the market has assumed a routine though fairly steady position notwithstanding the cribbed, cabined, and confined character of consuming demand.

Citronella.—The prices in the Far East held firm and at levels local importers were not inclined to accept. Cables indicated that stocks unsold in Ceylon were low, most arrivals being taken by those with short contracts to fill. Locally, stocks sufficient to meet current requirements were available at steady prices.

Clove.—Raw material was firm and unyielding in price. Hence the cost of producing this oil was well maintained and present levels prevailed solely because small demand brought larger competition among local suppliers to consumers. Conditions were unchanged last week.

Coriander.—Fair but always routine demand was noted last week and a quiet but generally fine market was generally reported. Stocks were far smaller than what formerly was a normal supply.

Cubeb.—No further decline in price took place. In fact, in view of the much steadier situation in raw material, the oil underwent some improvement in undertone, if not in actual demand.

Dill.—Ample supplies seemed to be available on the spot and for the most part the market was a steady affair. Outlook for a gain in sales was said to be very good since the pickling season is not far away. In fact, it has started already in some areas.

Eucalyptus.—Sellers reported light business last week, but they also were looking forward to Fall when manufacturing consumers should come into the market for increased quantities of this article. Pricewise, the market remained quiet and comparatively easy last week.

Grapeseed.—This California product is one for which an excellent future is predicted by those fully informed as to its possibilities. Production capacity amounts to about 500,000 pounds per year and increased movement of output into the cosmetic field is expected. Prices ranged 40c. to 60c. per pound, according to quantity.

Ginger. — Raw material slumped sharply in price last week and conditions favorable to a comparatively low cost to produce this oil still prevailed. Demand for oil was moderate to light, and prices were steady.

Lavender.—Competition was still current to an important degree. While open quotations lacked change, they seemed to be definitely in favor of buyers for consumption and occasional shading of prices was admitted. Stocks were of ample size.

Lemon.—The domestic market was very firm. California oil being available at $2.50 per pound was an item without competition since the Italian material of good to highest quality was

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

FITTED TO *Serve* YOU BEST

For Perfuming
LUBRICATING OILS
There's no time like the good old summer time for experimentation. Our perfuming experts, in their brand new laboratories, have solved the problem of perfuming Lubricating Oils inexpensively. They advise—
BOUQUET CLT, ANDRO MM&R, PERFUME OIL 413
For best results, let us know your particular requirements.
MAGNUS, MABEE & REYNARD, INC.
QUALITY ESSENTIAL OILS, BALSAMS, AROMATIC CHEMICALS, CONCENTRATED FLAVORS . . . Since 1895
16 DESBROSSES ST., N.Y.C
OFFICES IN PRINCIPAL CITIES

GINGER OLEO RESIN
A PRODUCT OF
OUR OWN MANUFACTURE
Exquisite in flavor, and *every trace of insoluble matter removed.*
USED BY THE LARGEST CONSUMERS
GEORGE LUEDERS & CO.
427-429 WASHINGTON ST., NEW YORK
Branches: Chicago, San Francisco, Montreal *Factory:* Brooklyn

D. W. HUTCHINSON & CO., Inc.
ESSENTIAL OILS
IMPORT Established 1896 EXPORT
162-164 FRONT STREET NEW YORK CITY

An Outstanding
INSECTICIDE PERFUME
is our
BOUQUET L No. 7
Especially recommended for Lethane base sprays where complete coverage is assured.
Just the product you've been waiting for.
H. C. RYLAND, Inc.
161-163 Water St., New York, N.Y.

SCHIMMEL SPICE OILS
for better seasoning results—more economical and superior
SCHIMMEL & CO. INC.
601 West 26 St. New York, N. Y.

STEARIC ACID • • KAOLIN • • RICE STARCH • • ZINC OXIDE • • Complete List Upon Request
Cosmetic Raw Materials
Detailed information gladly supplied
ORBIS PRODUCTS CORPORATION
215 PEARL ST., NEW YORK – Factory, NEWARK, N. J.

Exchange
OIL of ORANGE
SWEET CALIFORNIA COLD PRESSED
Only once before in the history of the great California Fruit Growers' cooperative has the price of EXCHANGE BRAND Cold Pressed OIL of ORANGE, U. S. P. been as low as now. This means that users can reserve their season's requirements at bargain prices . . . the same fine quality, the same purity, and the same *dependable uniformity* GUARANTEED ! Let us quote you immediately.
FRITZSCHE BROTHERS, Inc.
PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.
BRANCH STORES
BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.
FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR), FRANCE

held at $3.15 to $4 per pound. Demand was fair but subject to early increase.

Lemongrass.—Plentiful offerings from the source failed to attract many buyers to the import market. Stocks on spot met present demand readily and the goods were available at low and favorable prices in a market containing substantial competition.

Lime.—Competition was keen, notwithstanding the comparatively low level at which both distilled and expressed oil was obtainable on spot. Interest in offerings was conservative enough to make most suppliers anxious for business, and hence conditions were favorable for buyers with firm orders in hand.

Orange.—Although conditions have favored increased consumption, new business reaching first-hand suppliers was conservative last week, and it seemed that distributors and jobbers were holding fair stocks. Market conditions continued to be subject to high competition between the far too numerous varieties and brands of the article.

Peppermint.—Conditions changed very little. It seemed clear that the firmness of primary market prices was being maintained and that the new crop was being well held at the present time. In the meantime many buyers were holding aloof, expecting some change in that aspect of the market. It was believed that the larger users were quietly contracting for large quantities at comparatively favorable prices.

Sassafras.—Competition was fairly keen, and the market, while unchanged as to price, was still on the soft side and far more favorable to buyers than sellers. Ample reserve stocks were available here.

Spearmint.—Business was light and of jobbing size. Prices on new crop have been well maintained, and no signs of a change in that aspect of the market came last week. From all reports, it seemed probable that a normal supply of the article would be available for consumption this year.

Aromatic Chemicals

Anethol.—The market was steady and demand was about level with the conservative volume of transactions current in the market for some time past. Raw material values were also on the steady side last week.

Anisic Aldehyde.—Stability was the dominant characteristic of this article during the past week. Regardless of the currently light demand, values were well held and the market was clear of competitive influences. Buyers bought close to real needs.

Benzaldehyde.—Some gain in jobbing sales was reported by resellers of the article. Such suppliers reported steady prices. Producers found business routine and little changed.

Benzophenone.—Hand-to-mouth business was the rule. Buyers bought only actual needs, feeling that as stocks were ample and basic conditions little changed, replacement costs would continued to be well stabilized.

Cinnamic Aldehyde.—Business was comparatively quiet last week. While the flow of small orders was fairly steady, volume was moderate in size and general conditions left a substantial margin for improvement. Quotations remained very steady.

Coumarin.—Although the lack of large demand tended to make for competition between resellers of this article, the firsthands reported the market to be generally steady and well stabilized at unchanged quotations.

Diphenyl Methane.—Inquiries were fair in number and business resulting was very good on the whole. The price-side of the market was one of stability and lack of unsettlement.

Ethyl Cinnamate.—Stocks available on spot were ample and capable of supplying a demand much superior to that current last week. Buyers were conservative in their undertakings and some larger users were aloof. Prices held steady.

Ethyl Phenylacetate.—More competition was reported and some sales were said to have been made at a price slightly under that considered as the market. However, no general trend in favor of buyers prevailed in the price situation.

Eucalyptol.—Ample stocks of fairly low cost raw material has permitted stocks of the derived material to remain more than sufficient to care for the present moderate request. However, on the basis of jobbing trade, the market was reasonably active.

Geraniol.—The wide range in qualities of this material offered buyers ample stocks according to their needs and requirements. Prices were generally very steady in a well stabilized market.

Menthol.—While prices held firm, demand remained light and consequently the market was one of nominal proportions. Those with large stocks on the spot were not pressing for even partial liquidation. Replacement cost was such as to give support to a market that lacked more than moderate trade.

Menthyl Salicylate.—Trade was light. The principle users of this material were well supplied with manufactured products to cover their requirements over the balance of the active Summer period. Pricewise, the market was noted for stability.

Methyl Benzoate.—While moderate competition was noted, the market as a whole had a steady quality that tended to keep quotations virtually on a firm basis save in the few instances where quantities under request were especially attractive.

Musk.—Business was irregular and consisted of a fair number of orders of the smaller size. The synthetic items produced at home were the object of considerable competition from foreign manufactures but such competition has been less since prices were reduced some time back. Stocks were ample.

Liquor Flavors Banned in N.J.

The Alcoholic Beverage Commissioner of the State of New Jersey sometime ago laid a prohibitory ban on the sale of flavoring and colorings to be used with alcohol in home manufacture of liquors. This ban was appealed to the State supreme court by the Franklin Stores Company, which contended that the sale of these flavorings and colorings did not come under the liquor-control law and offered testimony of the belief that the articles it sold were used only for cooking purposes. The supreme court upheld the A.B.C. law, Justice Donges holding that the authority of the commissioner was practically limitless in the direction of strict control. The judge said that the ban was entirely reasonable and proper, pointing to evidence that employees of the complaining concern gave buyers detailed instructions on how to make alcoholic beverages.

Motor Truck Rates Raised by I.C.C.

—Continued from page 5

Liquid petroleum products and fertilizer were excepted from the minimum rate orders in both territories, largely because both of these commodities are shipped chiefly by carriers specializing in them and because there was not sufficient evidence in the record to justify the Commission in establishing minimum rates for these commodities at this time. The motor freight classification system used in New England differs from that in use in the Central territory and other parts of the United States, but the Interstate Commerce Commission declared that for the present it is desirable to obtain further experience with both methods of fixing motor carrier freight rates. Both orders were entered without prejudice to changes which may be shown to be necessary on further hearings.

The decision affects generally the New England States, most of New York State south of Albany, including the New York metropolitan area and northern New Jersey. The Central States decision affects rates between points in Illinois, Indiana, Iowa, Kentucky, Michigan, Missouri, New York (other than the part covered by the New England decision), Ohio, Pennsylvania, West Virginia and Wisconsin.

Trade Ass'n Executives To Meet Sept. 22

—Continued from page 3

"Industrial Price Policy and Economic Progress," by Dr. E. G. Nourse, director of economic research of the Brookings Institution, Washington, D. C.

"American Agriculture's Place in Modern Economy," by a speaker invited.

Afternoon Session

Buffet Luncheon at Pittsburgh Field Club for participants in golf tournament.

Inspection tours to Mellon Institute, Jone-Laughlin Strip Mill, Westinghouse Electric Co. plant, etc.

Annual dinner, Entertainment and dancing.

Sept. 24—Morning Session

"Aims and Purposes of the International Management Congress," by Major Lyndall D. Urwick, of Urwick, Orr & Partners, Ltd., London, England.

"Explaining Industry to the Public," a discussion led by John W. Hill, assistant to the President, American Iron and Steel Institute, New York City.

"Promotion of Wider Markets and New Uses for Industry Products," by a speaker invited.

"Standardization and Simplification of Industry Products," discussion led by William J. Donald, managing director of the National Electrical Manufacturers Association, New York.

"Collection of Industry Statistics," discussion led by Roy A. Cheney, managing director for the Underwear Institute, New York.

Solvay Process Co. to Erect Soda Bicarbonate Plant

The Solvay Process Company, Syracuse, N. Y., has awarded contracts to the Austin Company, Cleveland, for the design and construction of a new $2,500,000 plant for the manufacture of soda bicarbonate. The new plant will replace the present soda bicarbonate plant in Syracuse.

PLASTOCREME

••

A chemical which gives better absorption and homogenity to cold creams. It is non-toxic and will not discolor.

As it has a melting point of about 37° C., it may be melted with the other materials in the cream.

We recommend the use of from 3 to 5%.

Agfa

AROMATICS DIVISION
GENERAL DRUG COMPANY
170 Varick Street, New York City
1220 W. Madison Street, Chicago
907 Elliott Street, Windsor, Ont.
Transportation Building, Los Angeles, Cal.

ANNOUNCING
New penn-drake white oils of Extraordinary Purity

Newly Perfected Karnsite Process assures your products more profitable quality

You can make and ship your products now without worry about deterioration — the new penn-drake white oils are definitely odorless, tasteless, colorless, cloudless.

These new penn-drake heavy medicinal oils and lighter cosmetic oils remove all danger of sales-reducing spoilage or clouding because our new Karnsite Process takes out *all* impurities which can cause unpleasant odor, taste or color. The most stringent Acid and Freeze Tests prove it conclusively.

This new high-speed refining and super-filtration process sets absolutely new standards of purity. It gives you white oils that assure your products a stability of quality and attractive appearance that definitely increase popularity and sales.

A valuable booklet is now in preparation. You will find it profitable to write today for your copy.

THE PENNSYLVANIA REFINING CO., Butler, Pa.
Established in 1887

penn drake petroleum products

penn-drake white oils, petrolatums, insectisol (odorless base). Complete line of fine Petroleum Products.

FOR SALE

We offer firm subject to prior sale and to prompt reply 3000 pounds of high quality California Cold Pressed Orange Oil at fifty cents per pound in warehouse San Francisco; terms sight draft against bill of lading.

OLD CAPITOL PACKERS, INC.
214 Front Street San Francisco, Calif.

Petroleum Solvents, Lubricants, Fuels

Solvents and Naphthas Quiet Awaiting Business Upturn—Gasoline Consumption Moderate—Crude Production Higher —Mexican Oil Headed Here and Abroad

Except for a little livelier interest in wax, petroleum products used as industrial raw materials attracted very little buying interest. Buyers' inventories were estimated to have been very low, but purchasers were not willing to make any commitments until they saw actual signs of broadening demands for their own finished products. Within another two weeks or so, the trade should have a more accurate picture of what Fall trade is going to be like. Prices have been holding fairly well.

Gasoline consumption has been falling short of expectations this month, probably because of weather conditions. The bulk market in the Midcontinent district was not very stable, albeit refiners were endeavoring to hold prices evenly over the remainder of the Summer season. Gasoline stocks continued to moderate and the latest A.P.I. statistics showed stocks at 74,387,000 barrels for the week ended August 13, against 75,380,000 barrels in the preceding week and 68,840,000 barrels at this time a year ago.

Daily average production of crude oil in United States for the week ended August 13 was 3,359,900 barrels, an increase of 42,050 barrels over the preceding week, according to the estimate of the American Petroleum Institute. The average for four weeks ended August 13 was 3,335,800 barrels and the average at this time a year ago was 3,718,600 barrels.

Crude oil runs to stills for the week ended August 13 were reported to the A.P.I. by companies controlling 89 percent of the nation's refinery capacity as having averaged 2,976,000 barrels. An additional 319,000 barrels daily were estimated to have been sent to stills unreported for a total estimated average of 3,295,000 barrels, against 3,215,000 barrels in the preceding week. The Bureau of Mines average for August last year was 3,395,000 barrels.

A quantity of Mexican crude oil was reported to have been sold for import to Houston. One of the smaller American companies has purchased the oil and claims that it is not from the American and British properties that were expropriated recently by the Mexican Government. The company stated that the steamer R. W. McIlvain would lift the first cargo for transit to the company's Houston refinery. Recent charter negotiations which are listed elsewhere in this issue report the charter of the steamer Actor for August-September carriage of petroleum from Mexico to United Kingdom and the Continent.

Solvents and Diluents

Buyers' inventories of petroleum solvents and naphthas continued at a low point. Purchasers have indicated to their suppliers that they expect to order in larger quantities of material, but are indisposed to make any commitments until the demands for finished products show actual signs of improvement. High expectations of business from the motor industry result from the preparations for new model production in the Michigan shops. A large Eastern motor plant placed a naphtha order last week for the first time in some while. Prices for naphthas continued in an unchanged position, with the Midcontinent sellers still divided on their ideas of selling values.

Cleaners' Naphthas.—The market continued slow and prices were unchanged. The Midcontinent suppliers have not altered their price ideas, and one large supplier continued to quote ¼c. per gallon higher than others.

High-Solvency Naphthas.—As reported previously, current deliveries are small sized and do not have a regular frequency, but are being made into empty receiving tanks at buyer's storage points. Prices continued unchanged.

Petroleum Thinners.—The tankcar market at the Midcontinent refineries continued at 5⅜c. per gallon, with one seller quoting 5⅝c. per gallon, f.o.b. Group 3. Delivery orders were few and far between, but there is a uniform hope that business will broaden within a few weeks. Buyers stocks at present are estimated to be very small.

Rubber Solvents.—Tire manufacturers supplying the equipment trade have not increased production yet, but there has been a small gain in the activity of the manufacturers supplying the replacement market. Orders for tankcar deliveries of solvents continued light. Prices were unchanged.

Stoddard Solvent.—Demands from the wholesale cleaning trade continued seasonally moderate. Tankwagon deliveries in the East were understood to have been fair. Prices at all refinery points continued unchanged.

V. M. & P. Naphthas.—The paint manufacturing industry's demands continued light and sellers were anxious for the passing of the next few weeks to see whether or not they would be able to realize on the widespread belief in a business revival in the Fall. Prices were unchanged.

Markets at Other Centers

Chicago, Aug. 18.—Some easing in tone is reported in petroleum solvents and diluents, probably in keeping with the easier tone in general petroleum markets. Buying has been along hesitant lines in some cases. The paint trade business is rather conservative. Inquiries are received for some blending material. Ruling prices in tankcar lots except as noted are (tankcar prices f.o.b., Group 3, Oklahoma):—Blending naphtha, 4½c. to 4⅝c. per gallon; cleaners' naphtha, 6⅜c. to 6½c., tankcar; 17.5c., tankwagon; petroleum spirits, 5⅜c. to 5½c., tankcar; 16.5c., tankwagon; lacquer diluent, 7¾c. to 7½c.; rubber solvent, 6⅜c. to 6½c.; Stoddard solvent, 5⅞c. to 6c., tankcar; 16.2c., tankwagon; V. M. & P. naphtha, 6⅜c. to 6½c., tankcar; 16.5c., tankwagon.

Tulsa, Aug. 18.—There was no change in the solvents market with prices quoted at a spread of one-quarter of a cent per gallon between refiners.

Lighter Fractions

Routine movements of supplies into industrial channels of consumption and a steady price situation continued to characterize the market for petroleum hydrocarbons in the light gaseous solvents group. According to reports from Detroit, an experimental test of butane as an automobile fuel attracted considerable interest from automotive engineers. On a seven-day test run of about 2,800 miles the sponsors of the test credit butane with producing more power and lower operating cost than ordinary fuels.

Butanes.—The price continued at the long standing position of 3¾c. per gallon for single tankcars of 16-34 degree material, f.o.b. Group 3.

Hexanes.—There has been no reported change in the market for some time. The schedule is based at 10½c. per gallon for tankcars of normal white drum cars at 12½c. per gallon. The laboratory grade was 14c. per gallon in drum cars and all of these quotations were f.o.b. Group 3.

Octanes.—This mixture has also held a steady position under very routine movements into industrial channels of consumption.

Petrolatums and Waxes

White Mineral Oils.—A very slow market prevailed last week. Sellers believe it will be a few weeks before the market is able to shake off the effects of the Summer months. Pricewise, things are unchanged. There has been some shading of prices during recent weeks with prices reported at 2c. to 3c. per gallon below the market levels but some of the suppliers reported that the market has appeared a little firmer lately.

Paraffin Waxes.—Scale wax held firmly at the 2.30c. per pound basis established a week ago. Report inquiry was fairly good last week. Some refiners reported a surprisingly good interest in the fully refined wax market last week. Prices for the fully refined grades have been held steady since the present levels went into force on July 21.

CHICAGO, Aug. 18.—Refined paraffin wax continues fairly steady after recent price adjustments. Buying is along moderate lines for the most part. Inquiries have been coming in fairly well of late, with most buyers willing to order small amounts, and mostly desirous of getting prompt shipment. Ruling prices are:—122-124, 4.25c. to 4.3c. per pound; 125-127, 4.35c. to 4.4c.; 127-129, 4.45c. to 4.5c.; 130-132, bulk or bag, 4.75c. to 4.8c.; 132-134, bulk or bag, 5c. to 5.05c.

TULSA, Aug. 18.—Wax is holding in a firm position at 2¼c. to 2⅝c. per pound for the 122-124 a.m.p. and 2½c. per pound for 124-126 American.

Petrolatum.—As reported here a week ago, the l.c.l. prices were lowered ¼c. to ⅜c. per pound at that time. This decline followed a decline in the car lot prices which took place some weeks back. The l.c.l. prices were as follows:—Amber, 3⅝c. to 3⅞c. per pound; extra amber, 3⅞c. to 4⅛c. per pound; cream white, 5¾c. to 6⅛c. per pound; lily white, 6¾c. to 7⅛c. per pound; and snow white, 7¾c. to 8⅛c. per pound.

Fuels and Lubricants

The Eastern refined oil market passed through a routine period last week. Gasoline moved fairly well against contract but weather conditions were not too favorable for larger consumption. The marketers of fuel oils were trying to stir up a little interest in contracts for the Winter season. The A.P.I. reported production of gasoline at 9,794,000 barrels for the week ended August 13 against 9,325,000 barrels in the preceding week.

Tankwagon Price Changes

NEW YORK CITY.—Sun Oil Company has offered contracts to its dealers under the terms of the Feld-Crawford fair trade act of New York.

SAGINAW, MICH.—Leading marketers have increased the dealer tankwagon price of third-grade gasoline at Saginaw ½c. per gallon to 13.3c. per gallon.

Market Conditions

Gasoline.—Open market purchasing in the local bulk market was light, but there was a fairly good movement reported against contracts. Weather conditions have not been very favorable to the market. Prices at the local refineries continued unchanged, with the "going" position of the market around 6½c. to 6¾c. per gallon for 65 octane material at refineries. Export gasoline prices at the U. S. Gulf held in a firm position at 4¾c. to 4⅞c. per gallon for all grades except the 64-66, 375 e.p., which was held at 4⅞c. per gallon flat.

Kerosene.—The local market continued in a very quiet position. There was not much material moved out of the refineries, and the price for 41-43 water white material continued at 4¾c. per gallon, f.o.b. refinery. The Gulf export market was unchanged at 3⅞c. per gallon for prime white and 4c. per gallon for water white.

Fuel and Gas Oils.—Sellers were able to stir up a little interest in contracting for next Winter. The price situation has not improved much. Stocks of gas and fuel oil August 13 were 146,261,000 barrels, against 144,699,000 barrels in the preceding week and 109,712,000 barrels at this time a year ago, according to the estimates of the American Petroleum Institute. The marine trade's purchases of fuels were moderate. Bunker C oil continued at 95c. per barrel here.

Lubricating Oils.—Pennsylvania bright stocks were advanced ½c. per gallon last week to the basis of 17½c. per gallon, including tax. Neutral oils were stronger and the price of 150 viscosity was ½c. per gallon higher than a week

Outputs and Quotas

A comparison of Bureau of Mines calculations for August production, State allowable quotas where they exist and the American Petroleum Institute's estimate for crude production for the week ended August 13, follows:—

	*B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma ..	527,700	428,000	439,600
Kansas	169,300	165,500	165,200
Texas	1,377,800	†1,614,805	1,387,850
Louisiana ...	256,100	256,715	256,000
Arkansas ...	53,900	.....	55,800
Eastern	148,100	.....	151,400
Michigan ...	60,000	.....	48,950
Wyoming ...	62,200	.....	61,950
Montana	13,900	.....	13,700
Colorado ...	5,500	.....	3,600
New Mexico .	112,300	107,000	106,650
California ..	649,300	‡615,000	669,200
Totals	3,438,100	.....	3,359,900

* These are Bureau of Mines' calculations of the demand for domestic crude oil based upon certain premises outlined in its detailed forecast for the month of July. As demand may be supplied either from stocks or from new production, contemplated withdrawals from crude oil stocks must be deducted from the Bureau's estimate of demand to determine the amount of new crude oil to be produced.

† Effective Aug. 1, Sunday shut-downs continued through August.

‡ Recommendation of Central Committee of California Oil Producers.

The State of the Petroleum Market

There were no changes in crude oil prices last week. Gasoline at the refineries was also unchanged.

	Aug. 19	Aug. 12	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.26	$1.26	$1.399
Gasoline prices at refineries (at four refining centers) per gallon.....	.050625	.050625	.056875

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Banish Bad Odors

IN THE WINK OF AN EYE!
with
NEUTROLEUM

If your technical product is handicapped with an objectionable odor, the chances are NEUTROLEUM can correct it. The cost is negligible and it will add a new element of sales appeal to your product. NEUTROLEUM is one of the most effective and widely applied deodorants in use today. Hundreds of varied and successful applications attest its limitless utility. Write us for full details.

FRITZSCHE BROTHERS, Inc.
PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.
BRANCH STOCKS
BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.
FACTORIES AT CLIFTON, N. J. AND SCILLANS (IVAR), FRANCE

SHERWOOD'S PETROLATUMS
GUARANTEED QUALITY — ALL GRADES
SHERWOOD PETROLEUM COMPANY, INC.
REFINERY — WARREN, PA. MAIN OFFICE — BUSH TERMINAL, BROOKLYN, N. Y.

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1938 Jan. 1-Aug. 20	1937 Jan. 1-Aug. 20
Commercial crude oil production	766,169,000	794,221,000
	Week ended Aug. 20, 1938	Week ended Aug. 21, 1937
Daily average production	3,343,300	3,701,300
	Week ended Aug. 13, 1938	Week ended Aug. 6, 1938
Estimated motor fuel stock total	74,387,000	75,380,000
Estimated finished motor fuel stock at refineries	41,349,000	41,562,000

ago at 16½c. per gallon, also including tax. Cylinder oils were quiet.

Markets at Other Centers

Tulsa, Aug. 18.—Little change occurred this week in the Midcontinent refined oil market. Gasoline refiners are not greatly encouraged over the consumption this month. Gasoline prices continue at the same levels as last week. Kerosene, which was marked down in one direction, is merely a recognition of softness that has existed in the spot market for the past few weeks. However, in some places retail prices were raised where subnormal prices had existed.

A real scarcity has developed in distillates. One company which was short of about 250 cars of its own requirements has been unable to purchase this quantity over the consuming season. Inventories of these products are the lowest they have ever been in this field and an earlier than usual upturn in prices this season would be the logical expectation.

The lubricating oil market appears to be rounding out into better shape. The Pennsylvania refiners increased their prices on bright stocks this week one half cent. Prices in the Midcontinent are unchanged.

The natural gasoline market is also unchanged although the volume of business is very large. The current supply is being well absorbed and prices are steady.

GASOLINE.—U. S. motor, 4½c. flat throughout the field with the 63-66 octane selling at 4¾c. to 4⅞c. per gallon. The 67-69 octane is 4⅞c. to 5⅛c. per gallon and the 70-72 top grade is 5⅛c. to 5⅜c. per gallon.

NATURAL GASOLINE.—26-70 grade quoted at 3¼c. per gallon in both Oklahoma and Texas; 18 pound grade is 3.90c. per gallon; the 22 pound is also unchanged at 3½c. to 3⅝c. per gallon.

KEROSENE.—Spot resale prices were lowered ½c. in one direction. The spot trading continues at 4c. per gallon with many refiners continuing to quote 4¼c. to 4½c. per gallon.

DISTILLATES.—No. 1 at 3½c. to 3¾c. per gallon nominal; No. 2 straw at 3⅜c. to 3½c. per gallon. The gas oils are 3c. to 3¼c. per gallon.

FUEL OILS.—Residuals are being offered at 37½c. to 65c. per barrel and the high gravities fairly steady at $1 per barrel for the 24-28 low cold test. The high cold test is 85c. to 90c. per barrel.

LUBRICANTS.—There is a steadier tone but no change in price as a result of the improvement in the Pennsylvania market.

Chicago, Aug. 18.—The tankcar gasoline market has shown increasingly growing evidence of weakening in the last few days and prevailing prices here are now fractionally lower. Buying has been not very brisk in the spot dealings, but contract shipments are heavy, in recognition of the comparatively large volume of business being done by virtually all factors. Trade at this time is preparing for Labor Day business. Tankwagon and service station markets in the Middlewest continue unsettled. Crude at concessions in various fields is having its effect. Kerosene is easy. The heating oils are being bought for storage purposes. Gas oils are steady, heavy fuels slow, lubricants steady.

GASOLINE.—Low octane motor, 4⅝c. to 4⅞c. per gallon; 63-66 octane motor, 4⅞c. to 5⅛c.; 67-69 octane motor, 5c. to 5¼c.; 70-72 regular, 5¼c. to 5⅝c.

KEROSENE.—42-44 water white, 4¼c. to 4½c. per gallon; 41-43, water white, 4c. to 4¼c.

FURNACE OILS.—Range oil, 3⅞c. to 4⅞c. per gallon; No. 1 white, 3¾c. to 4c.; No. 1 straw, 3⅝c. to 3¾c.; No. 2 straw, 3½c. to 3⅝c.; No. 2 dark, 3¼c. to 3½c.; No. 3, 3¼c. to 3⅜c.; 32-36, dark, industrial gas oil, 2⅞c. to 3c.

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 70c. to 80c.; No. 6, 60c. to 70c.

New Orleans, Aug. 18.—Firmness was again the keynote of the domestic market during the past week, with no change in previous price quotations. Foreign inquiries and exports were good. U. S. motor gasoline was quoted at 6½c.; U. S. motor below 62 octane at 6⅛c.; 63-67 octane at 6⅜c., and 68-70 octane at 6¾c.—all prices being on a per gallon basis at refinery.

The price of kerosene remained steady at 7⅝c. per gallon at refinery.

Bunker C fuel oil demand continued good at a quoted price of 75c. per barrel at terminal and 80c. per barrel delivered alongside; industrial plants were quoted at $1.46 per barrel, delivered.

Trade Briefs

Comet Oil & Gas Company, a subsidiary of the Hazel-Atlas Glass Company, has been dissolved.

P & M Oil Company, Los Angeles, has been chartered under the laws of California with a capital of $1,000,000.

Shell Union Oil Corporation has retired 9,662 shares of its 5½ percent preferred stock, reducing its reacquired holdings of this issue to 19,280 shares.

Standard Oil Company of California held its annual picnic-reunion for employees at the Santa Anita playgrounds, Arcadia, Calif., July 30. W. H. Berg, president, and other officials attended.

Phillips Petroleum Company report to the Securities Exchange Commission disclosed elimination of $1,500,000 bank loans outstanding June 30, 1938, by payment of $250,000 on July 1 and $1,250,000 on July 30.

Calcrude Petroleum Company, Los Angeles, directors have levied an assessment of $1.75 a share, payable at 633 Subway Terminal building. Delinquent date September 1, 1938; delinquent shares would be sold September 20, 1938.

Missouri-Kansas Pipe Line Company directors' proposal to pay William G. Maguire, who was named president a year ago, a salary of $25,000 a year, together with an option to purchases 100,000 shares at varied prices over a period of years, has been opposed by a group of stockholders.

Pennsylvania's law preventing gasoline retailers from granting discounts to truckers and other large purchasers will be tested in a case brought by the Firestone Tire & Rubber Company in the Dauphin county court August 12. This is the third suit brought against the enforcement of the law. The other cases are pending.

Lion Oil Refining Company has completed a deferred bank loan of $3,200,000 to provide additional working capital and funds for the completion of a development program in the Shuler, Ark., oil field. Present plans of the company call for a continuous campaign which will probably require two years' drilling to fully develop the field.

Lion's Marcus No. 3 well in the Shuler field was completed recently, marking the thirty-second completion for the company in this field.

Petroleum and Magnesite Duty Reductions Opposed

—*Continued from page 5*

Dolomite, Inc., and Basic Ores, Inc.; A. R. Dixon, representing the Westvaco Chlorine Products Corporation, the California Chemical Company, and the National Kellastone Company; and F. E. Schundler, representing F. E. Schundler & Co. They had filed briefs asking that there be no decrease in the duty on crude or ground magnesite, and they supplemented their briefs with oral statements.

Mr. Dixon said that there is no magnesite industry in Venezuela producing the grades of magnesite on which a reduction in duty has been requested. He said his company, which manufactures magnesium oxide and caustic calcined magnesite from sea brine, must be located on the Pacific coast, because that is the only place where the particular brine required may be had, and hence must add to its production costs freight charges to the Eastern markets.

Mr. Schundler said that no reduction in duty is needed to permit imports of magnesite from Venezuela, and that at present 40 percent of the Eastern market is supplied by imported material. He told the committee that the world market is not available to the United States, and domestic producers must sell their products here.

What You Can Use

Various Materials That Are Suitable for Operating Purposes in Chemical Processing Industries

Fully protected by Copyright

Two-hundred-forty-first Instalment

Manganese Linoleate

Solvents for Manganese Linoleate

(Continued from August 15 issue)

Cellosolve
Cellosolve acetate
Chio oil
Chloral alcoholate
Chinawood oil
Chloralphenol
Chlorhydrin
Chlorobenzyl alcohol
Chloroform
Coaltar hydrocarbons
Coaltar naphtha
Corn oil
Cottonseed oil
Cresyl acetate
Cresyl ether
Cyclohexane
Cyclohexanol
Cyclohexanol acetate
Cyclohexanone
Cyclohexanyl acetate
Cyclohexene-1-one
Cyclopentanol
Decamphored turpentine oil
Dekalin
Depanol
Diacetin
Diacetone alcohol
Diamylene
Diatol
Dibutyl oxalate
Dibutyl phthalate
Dibutyl tartrate
Di-2-butyloxtyl phthalate
Di-2-butyloctyl succinate
Dichlorhydrin
Dichloroacetone
Dichlorobenzene
Dichloroethyl ether
Dichloroethylene
Dicresylglyceryl ether
Dicyclohexyltoluenesulphonamide
Diethyl carbonate
Diethyl ketone
Diethyl oxalate
Diethyl phthalate
Diethyl tartrate
Diethylamine
Diethylbarbituric acid
Di-2-ethylbutyl phthalate
Di-2-ethylbutyl succinate
Diethylcarbitol
Diethyl-1:4-dioxane
Diethyldiphenylurea
Diethylene oxide
Diethylglycol monoacetate
Diethylmalonylurea
Diformin
Diglycol diacetate
Dihydroxydiphenyldimethylmethane
Di-isobutyl ketone
Dimethyl phthalate
Dimethylcyclohexanone
Dimethylcyclohexanone oxalate
2:4-Dimethyldimethylene dioxide
Dimethyl-1:4-dioxane
Dimethylene dioxide
Dioxan
1:4-Dioxane
Dipentene
Diphenyl ether
Diphenylglyceryl ether
Dipropyl ketone
Dissolvan CA, DN
Epichlorhydrin
Epidiformin
Epiformin
Erythritol
Erythritol acetate
Erythritol benzoate
Erythritol formate
Erythritol maleate
Erythritol nitrate
Erythritol oxalate
Erythritol phthalate
Ethanol, anhydrous
Ethyl acetate
Ethyl acetoacetate
Ethyl-acetoglycollate
Ethyl acetylsalicylate
Ethyl alcohol, anhydrous
Ethyl benzoate
Ethyl chloroacetate
Ethyl chlorostearate
Ethyl dicresylphosphate
Ethyl ether
Ethyl formate
Ethyl lactate
Ethyl oxybutyrate
Ethyl propionate
2-Ethylbutyl acetate
Ethylene-chloride
Ethylene dichloride
Ethylene oxide
Ethylenechlorhydrin
Ethyleneglycol monoacetate
Ethyleneglycol methylethers
Ethyleneglycol monoethylether
Ethylglycerolchlorhydrin
Ethylglycol
Ethylglycol acetate
Ethylidene acetobenzoate
Ethylidene diacetate
Ethylideneacetone
Ethylideneglycerol
Fenchone
Formic acid ethylester
Formosol
Furfural
Furfuryl alcohol
Fusel oil
Gasoline
Glycerin
Glyceryl acetate
Glyceryl benzoate
Glyceryl cinnamate
Glyceryl formate
Glyceryl maleate
Glyceryl nitrate
Glyceryl oxalate
Glyceryl phthalate
Glyceryl salicylate
Glyceryl succinate
Glycol benzoate
Glycol cinnamate
Glycol diacetate
Glycol esters
Glycol ethers
Glycol monoacetate
Grapseed oil
Grayfish oil
Hempseed oil
Heptane
Hercosol 5, 80
Hexalin acetate
Hexalin alcohol
Hexane
Hexyl acetate, secondary
Hexyl-(2-ethylbutyl) acetate
Hexyl-(2-ethylbutyl) alcohol
Hexahydrocresols
Hexahydrophenols
Hiflash naphtha
Hydroterpin
Hydroxybenzyl alcohol
Indene
Industrial spirits
Indohydrin diacetate
Isoamyl citrate
Isoamyl tartrate
Isobutanol
Isobutyl acetate
Isobutyl alcohol
Isobutyl citrate
Isobutylethyl ketone
Isoprene
Isopropanol, anhydrous
Isopropyl acetate
Isopropyl alcohol
Isopropyl lactate
Isopropylideneglycerol
Kerosene
Kapokseed oil
Katalized oil
Lactic acid butylester
Lactol spirits
Lactones of oxyfatty acids
Linseed oil
Linseed oil, boiled, decolorized, heavy bodied
Lumbang oil
Menhaden oil
Mesityl oxide
Metacresyl butyrate
Metacresyl isovalerate
Metaxylene
Methanol, anhydrous
Methanol, phenylized
Methyl acetate
Methyl acetoacetate
Methyl benzoate
Methyl chloride
Methyl chloroacetate
Methyl formate
Methyl lactate
Methyl phthalate
Methylacetone
Methylamine
Methylamyl acetate
Methylamyl alcohol
Methylanone
Methylbenzoyltrichloroanilin
Methylbenzylchloroanilin
Methylcarbitol
Methylcarbitol acetate
Methylcellosolve
Methylcellosolve acetate
Methylcyclohexanol
Methylcyclohexanol acetate
Methylcyclohexanol betamethyladipate
Methylcyclohexanol phthalate
Methylcyclohexanol stearate
Methylcyclohexanone
Methylcyclohexanone, isomeric
Methylcyclohexyl acetate
Methylenechlorhydrin
Methylethyl ketone
Methylethylene monopalmitate
Methylethyleneglycol
Methylfurol
Methylglycol
Methylglycol acetate
Methylglycolchlorhydrin
Methylhexalin
Methylhexalin acetate
Methylideneglycol
Methylisobutyl ketone
Methyl-normal-amy ketone
Methyl-normal-butyl ketone
Methyl-normal-hexyl ketone
Methylorthotoluylenediamine
Methyloxybutyl acetate
2-Methyl-2-pentanol-4-one
Methylphenyl ether
Methylpropyl carbinol
Methylpropyl ketone
Mineral spirits
Mixed higher etherified alcohols and their derivatives
Monoacetin
Monoacetylethylanilin
Monochlorhydrin
Monochlorhydrin diacetate
Monochlorhydrin monoacetate
Monochlorobenzene
Monochloronaphthalene
Monoformin
Monohydroxyalkyl ethers of glycerin
Monohydroxyalkyl ethers of pentaerythritol
Monohydroxyalkyl ethers polyhydroxy alcohols
Monohydroxyalkyl ethers of sorbitol
Naphthalene
Naphthols
Naphthyl acetate
Naphthyl ether
Naphthyl-magnesium halogen compounds
Nitroanilin
Nitroformin
Nitronaphthalene
Nitrotoluene
Octyl-(2-ethylhexyl) acetate
Octyl-(2-ethylhexyl alcohol
Oiticica oil
Orthene
Orthodichlorobenzene
Orthonitrotoluene
Palo maria
Pandol A

(To be continued)

Fertilizer Materials

Further Dullness Exhibited—Rough Ammoniates Weaker—Potash Deliveries Up to Schedule—Phosphates Quiet—July Tag Sales Increased Over July, 1937

The fertilizer materials market gave a very dull performance last week. Buying interest was flat. Prices for materials sold on a schedule basis were maintained but prices for commodities sold on a trading basis receded further. Packing-house by-products sagged heavily on the lack of buying support.

Regular deliveries of potash salts against the contracts that were booked earlier in the season at maximum discounts provided the only real life in the market. Unlike a year ago, sellers are not faced with the problem of cancellation of contracted tonnages as most of this year's agreements were written down from the over-bookings of the 1937-1938 season.

Slightly broader production schedules in the steel mills have loosened up the supply side of the market for by-product ammonia in some directions. The production at some mills was now being offered for late Fall delivery whereas a few weeks back, these mills were unable to book over the remainder of the calendar year.

Fertilizer tags sold in July were 21 percent larger than last July in the 17 states included in the National Fertilizer Association's monthly compilation. July sales usually represent only about one percent of the year's total. January-July sales in twelve Southern states were 22 percent smaller than in the first half of 1937. The accompanying table shows sales for July, a comparison for July, 1937, and 1937, and, comparative data for the January-July period.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Blood, dom., Chicago, 10c. per unit-ton.
New York, 20c. per unit-ton.
Import, 15c. per unit-ton.
Calcium, phosphate, di-basic, precip., import., 1c. per unit-ton.
Nitrogenous material, import., 5c. per unit-ton.
Tankage, dom., New York, 10c. per unit-ton.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
66.3	66.3	66.3	66.4

Market news that may have developed after this report was sent to press will be found on page 4.

Ammoniates

Nitrate of Soda.—There is very little interest in the purchase of nitrate now. Sellers offered the material to fertilizer producers for delivery only up to the end of the current month. According to the gossip around the market it is likely that prices on forward delivery will be made known before the end of August.

Sulphate of Ammonia.—Somewhat larger steel production which has brought the mill operating rate up to 40.4 percent of capacity has helped to loosen the supply situation at some of the mills. Lack of new buying interest was also a factor in the market's recent flux and some of the Southern mills have indicated that supplies were available for November, whereas it had been difficult to obtain shipment from these points this side of January. The August price for material in bulk is $26.75 per ton f.o.b. cars at the ports and/or $1 per ton cheaper f.o.b. cars at nearest inland producing oven, whichever price is lower to destination. However, August and September delivery are not easy to obtain.

Dried Blood.—Imported material eased off last week with offerings for shipment at $3.10 per unit against $3.25 per unit previously. In New York, domestic production was offered at $2.90 per unit, off 20c. from a week ago, and was not moving at the reduced figure. The Chicago market was also off with $2.75 per unit named, a reduction of 10c. from the preceding week.

Castor Pomace.—There was very little interest in this item. Prices remained around $18.50 per ton for the domestic material, f.o.b. production points, and $21 per ton nominal for imported material, c.i.f. ports.

Fish Scrap.—Operations in the Chesapeake fish factories have been running behind last year. Catches have been very modest in recent weeks. The price for unground when-and-if-made continued at $3.25 and 10c. per unit-ton, but no sales have been reported recently. Ground meal has been selling at $48 per ton, f.o.b. Baltimore. Japanese sardine meal is a very dull item these days and the price of $43.50 per ton, for shipment, c.i.f., was the figure accepted on at least one trade last week.

Nitrogenous Material.—The only open offerings in the market for the domestic product were from Norfolk and Chemical at respective prices of $2.65 and $2.75 per unit and $2.35 to $2.45 per unit. Imported material sold at 5c. per unit cheaper than previously, with transactions reported at $2.65 per unit, c.i.f.

Tankage.—The imported product was in a nominal position and most of the current production in South American was moving to Europe and other directions abroad. The New York market for domestic material dropped to $2.90 and 10c. per unit-ton for either ground or unground. This movement was a decline of 10c. from a week ago. In Chicago, the fertilizer grade remained at $2.60 and 10c. per unit-ton, while the feeding grade was $2.85 and 10c. per unit-ton.

Potashes

The market continued in a very dull position. Deliveries are being made according to the schedule provisions of the contracts that were booked earlier in the season at the maximum discounts. There has been no new business placed in recent weeks and very little is expected at the current discount of 5 percent which is allowed on orders with specifications placed prior to October 1 for spot delivery or for delivery in approximately equal monthly quantities through December.

Phosphates

Quiet was also the outstanding characteristic of the market for phosphate products. There was very little superphosphate being moved against contracts at this time. Bone materials were getting scant attention from the fertilizer trade.

Bone Materials.—Importers of dicalcium phosphate precipitated offered material at 80c. per unit for shipment, basis c.i.f. This price was 1c. per unit cheaper than previously.

Superphosphate.—Producers have not been able to move much material against contracts. Stocks at the end of June were 24 percent larger than a year

Fertilizer Tag Sales: July

	Pct. of 1937.	July 1938.	July 1937.	July 1936.	Pct. of 1937.	January-July 1938.	January-July 1937.	January-July 1936.
				Equivalent tons*				
South—								
Virginia†	58	3,962	6,791	8,194	89	302,811	339,651	270,306
North Carolina	341	26,023	7,623	5,727	91	1,023,177	1,121,043	941,010
South Carolina	48	1,710	3,570	3,156	85	624,834	731,146	580,664
Georgia	103	2,901	2,824	2,020	83	699,219	844,539	654,444
Florida†§	80	20,109	25,133	19,481	89	292,701	327,159	264,721
Alabama	405	850	210	1,100	85	521,550	617,110	461,500
Mississippi	42	207	491	1,502	92	298,161	322,585	232,393
Tennessee†	13	650	4,886	1,016	91	110,115	121,204	89,431
Arkansas‡	250	750	300	450	95	62,600	66,225	44,256
Louisiana†	400	2,000	500	1,500	94	123,972	132,272	91,911
Texas†	14	60	436	129	97	71,972	74,347	53,411
Oklahoma	100	10	10	25	130	6,680	5,120	5,005
Totals South	112	59,232	52,776	44,300	88	4,137,792	4,702,401	3,689,052
Midwest—								
Indiana	160	13,051	2,181	11,913	98	140,046	143,545	127,305
Illinois	3	12	375	.....	86	30,217	35,233	19,732
Kentucky	507	3,575	705	1,495	107	94,898	88,602	68,344
Missouri	10	61	590	121	77	24,809	32,055	24,821
Kansas	2	1	50	1,005	179	3,563	1,985	2,095
Total Midwest	169	16,700	9,901	14,534	97	293,533	301,420	242,297
Grand totals	121	75,932	62,677	58,834	89	4,431,325	5,003,821	3,931,349

* Monthly records of fertilizer tax tags are kept by State control officials and may be slightly larger or smaller than the actual sales of fertilizer. The figures indicate the equivalent number of short tons of fertilizer represented by the tax tags purchased and required by law to be attached to each bag of fertilizer sold in the various States.

† Cottonseed meal sold as fertilizer included.

‡ Excludes 26,550 tons of cottonseed meal for January-July combined, but no separation is available for the amount of meal used as fertilizer from that used as feed.

§ Includes 18,428 tons of phosphatic and lime materials for January-July, 1938.

(Compiled by the National Fertilizer Association)

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

DOMESTIC
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR
THE Barrett COMPANY — 40 RECTOR STREET, NEW YORK

SUNSHINE STATE POTASH
A PRODUCT OF NEW MEXICO U.S.A.
REG. U. S. PAT. OFF.
MURIATE OF POTASH
62/63% K_2O, ALSO 50% K_2O
MANURE SALTS
Approximately 30% K_2O
UNITED STATES POTASH COMPANY
INCORPORATED
30 Rockefeller Plaza
New York, N. Y.

LOST—A HEADACHE

Disappeared from purchasing department when Freeport sulphur went on the job.

Confidence in the purity and the ready availability of Freeport sulphur has dispelled many a headache that might otherwise have complicated the production job. This ingredient of countless industrial processes is renowned for its reliability. While research workers now and again are surprised by this ancient element's ability to perform new feats of magic, the manufacturing chemist, bent on maintaining production schedules, can always be sure of a constant supply of sulphur at low cost.

The Freeport Sulphur Company, maintaining large stocks above ground of sulphur 99½% pure, has during a period of over 25 years established a reputation for reliable service to its customers.

FREEPORT SULPHUR COMPANY
122 East 42nd Street New York, N. Y.

ago according to reports to the National Fertilizer Association showed 1,158,054 tons against 932,764 tons. Stocks at the end of May this year were 1,034,204 tons. June production was 203,820 tons against 246,630 tons in June last year; June shipments were 111,186 tons against 159,657 tons in June 1937. These figures reported by the N.F.A. are expressed throughout in equivalent tons of 16 percent a.p.a.

Sulphur and Pyrites

Sulphur producers feel a little more encouraged about a lift in Fall business than they were a week ago. It was understood that some nicely sized orders were placed for prompt shipment last week. Some of these emanated from the steel industry where operations have been stepped up to service the automobile manufacturers. Some paper manufacturers were also reported to have placed orders to replenish depleting sulphur piles.

Production of sulphur in Louisiana and Texas totaled 1,294,018 long tons in the first six months of this year against 1,163,857 long tons in the same period of 1937. Production in Texas during the second quarter of the year was 522,107 long tons against 584,926 long tons in the initial quarter and 570,633 long tons in the second quarter of 1937. Louisiana production was 80,545 long tons in the second quarter of 1938 against 106,440 long tons in the first quarter of this year and 63,385 long tons in the second quarter of 1937. The Texas production for the second quarter was divided among four producers. Two of these producers operating in Brazoria County produced 91,095 and 56,803 long tons respectively. Another producer operating in Wharton county mined 56,000 tons. The largest producer mined 310,072 long tons in Wharton and 8,137 long tons in Fort Bend county.

Markets at Other Centers

Atlanta, Aug. 18.—Dealers in fertilizer materials reported a very quiet market. A large distributor of sulphate of ammonia indicated that orders can now be placed for November shipments; it had been reported previously that the supply had been covered until December.

The organic ammoniate market is very quiet. Very little domestic nitrogenous is reported offered and foreign is not offered except for Fall deliveries and thereafter. Cottonseed meal is offered at a slightly lower price than a few days ago, but there is very little available in the Southeast.

The crop outlook in the South, for cotton, remains gloomy though slightly improved by cessation of rains and drier, warmer weather. Tobacco, however, is coming forward with a bumper crop in the lower South and selling at a satisfactory price.

Quotations of this market were as follows:—

SUPERPHOSPHATE.—$8.40 per ton run of pile.
NITRATE OF SODA.—$27 per ton, bulk, port.
COTTONSEED MEAL.—8 percent grade, $24 per ton, interior mills.
BLOOD.—South America, port basis, $3.35 per unit; Chicago, $3.
TANKAGE.—$2.90 and 10c. per unit, Chicago basis; foreign, port basis, $3.35 and 10.
NITROGENOUS.—Foreign, port basis, $2.75 per unit.

Baltimore, Aug. 18.—Restricted trading that has characterized the market for crude fertilizer materials is still in evidence. Buying interest is at a low ebb. Organic prices tend in the direction of weakness. The current quotations were as follows:—

FISH SCRAP.—The menhaden fishing is poor in the lower Chesapeake Bay but somewhat better outside of the Virginia capes. The market is holding at $3.25 and 10c. per unit-ton for unground at factory, with menhaden meal in carload lots at $45 per ton in Baltimore. Sardine meal is quoted at $43.50, c.i.f., for spot, with offerings light.

TANKAGE.—Ground fertilizer grades are ranging around $3 and 10c. per unit-ton, with some buying interest shown now and then. The unground feed market is weaker, with offerings about $2.85 and 10c. to $3 and 10c. per unit-ton, dependent on quality.

BLOOD.—Dried stocks are fairly easy at $3.10 per unit-ton, f.o.b shipping point, with South America material around $3.15 per unit-ton, c.i.f., for shipment.

SUPERPHOSPHATE.—Quotations were $7.50 per ton for run of pile and at $8 per ton for 16 percent guaranteed. Southern ports from Norfolk down, are still maintaining the additional 5c. per unit set some weeks ago.

BONE.—$22 to $23 per ton for 1 and 60; $25 to $26 per ton for 3 and 50; $29 per ton for 4½ and 50 ground raw.

Chicago, Aug. 18.—The general fertilizer materials market continued along easy lines. Prices have tended to ease off a little more than recently. Blood is in ample supply, with inquiries fair. Bone materials are in fairly good call at this time. Tankage is reported moving out moderately to the buying trade, most buyers wanting prompt shipment.

BLOOD.—Principal grade, $2.75 to $3 per unit of ammonia.

TANKAGE.—High grade, ground, $2.60 to $2.75 and 10c.; low grade, $19 to $21; hoofmeal, $2.50 to $2.65; liquid stick, $1.85 to $2.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $19 to $20; 3 and and 50 percent, $24 to $25; 4½ and 50, $27 to $29; grinding hoofs, pigs' toes and waste horn materials, $40 to $45, mostly nominal; cattle jaws, skulls and knuckles, $18 to $19; pork cracklings, soft pressed, $40 to $45; beef cracklings, soft pressed, $30 to $35; hard pressed cracklings, per unit of protein, 60c. to 62½.

San Francisco, Aug. 16.—Quiet again ruled the crude fertilizer materials market last week in California with the situation largely in the doldrums, the aftermath of considerable contracting of mixers' requirements during the month of July. Even spot trade in organics was quiet. The market failed to show much change. Tankage was nominal, or practically so in the absence of trading. Fish meals turned somewhat easier, with Oregon and Washington new season material on the market at $36 per ton. Spot old-season meal was reduced, but there were practically no takers of fish meal for any poisition.

Ruling prices were:—

SULPHATE OF AMMONIA.—Quoted in 100-pound bags at $31.50 per ton, port basis, San Francisco and/or Los Angeles harbor. Inland points, delivered, $1 per ton extra. Prices in effect through June, 1939.

NITRATE OF SODA.—100-pound bags, $29 per ton, ex vessel or warehouse, San Francisco/Oakland. 200-pound bags, $28.30 per ton ex vessel or warehouse, San Francisco/Oakland.

SUPERPHOSPHATE.—Domestic, 75c. per unit in bulk, f.o.b. producer's plant, San Francisco Bay. Bags, quoted at 85c. per unit. Foreign material nominal.

AMMONIA PHOSPHATE.—Quoted at $40 per ton, single bags, f.o.b. cars, San Francisco; basis 16 percent N., 20 percent P.A. Inland points, delivered, $1 per ton extra.

FISH MEAL.—California sardine meal, new season, early delivery, is quoted on the basis of $40 per ton, f.o.b. production point. Later delivery indicated at $38.50. Washington and Oregon meal, new season, quoted at $36 per ton. Spot, old season sardine meal, quoted on the basis of $42.50 per ton, f.o.b. cars, San Francisco/ Monterey/ Los Angeles.

TANKAGE.—Fertilizer grade tankage, wet rendered, from domestic packing houses, quoted nominally on the basis of $2.85 and 10c. per unit-ton, f.o.b. cars, Los Angeles. Higher grade, quoted at $3.10 to $3.15 and 10c. Dry rendered, ground, quoted on the basis of $37.50 per ton, f.o.b. cars, San Francisco. Unground, dry rendered, quoted at 60c. to 62½c. per unit of protein.

BLOOD MEAL.—Domestic, $2.90 to $3 per unit, f.o.b. cars, Los Angeles.

Sulphuric Acid Output Up At Copper, Zinc Plants

The output of by-product sulphuric acid at copper and zinc plants in 1937, in terms of 60° Baume acid, amounted to 833,994 short tons, of which 291,638 tons were produced at copper plants and 542,356 tons at zinc plants, according to the Bureau of Mines. The acid reported is only that produced from the sulphur content of the sulphide ores. The figures are exclusive of acid made from pyrites concentrates in Montana and Tennessee. In addition to the above 151,090 tons of sulphuric acid were made at zinc plants from 40,044 tons of sulphur. No sulphur was used at copper plants.

In 1936, 732,620 tons of by-product sulphuric acid were produced. Of this amount 226,738 tons were recovered at copper plants and 505,882 tons at zinc plants. In addition, sulphur amounting to 42,765 was used at zinc plants for the recovery of 161,169 tons of sulphuric acid.

Fractionating Columns Discussed

Circular No. 35 of the Engineering Experiment Station of the University of Illinois, entitled "Factors Involved in Plate Efficiencies for Fractionating Columns," by Donald B. Keyes, which has just been issued, discusses briefly the various factors that have to be considered in determining the actual number of plates required for an efficient fractionating column. Until February 15, 1939, or until the supply available for free distribution is exhausted, copies of circular No. 35 may be obtained without charge upon application to Engineering Experiment Station, Urbana, Illinois.

Fertilizer producers operating or distributing in N.F.A. district 3 and Pennsylvania will have a meeting August 24 in the Elks club, Lancaster, Pa.

Obituaries

C. Frank Brigham

C. Frank Brigham, chairman of the board of the Lilly Varnish Company, Indianapolis, died unexpectedly at his home in that city August 4. He had been in reasonably good health. Mr. Brigham entered the paint and varnish industry as a salesman for M. L. Barrett & Company, Chicago, in 1884, and was engaged in this capacity until 1888, at which time he entered the employ of the Glidden Varnish Company, Cleveland, as a salesman, and was with that company as salesman, Chicago manager, factory manager, industrial sales manager, and other capacities until February, 1921, when he, together with the late Charles M. Malott and W. I. Longworth, now president of Lilly Varnish Company, purchased the company from the Lilly family, and he served this company as vice president for several years, president for a number of years, and chairman of the board for the past few years until his death. His son, Watson C. Brigham, is associated with Lilly Varnish Company as purchasing agent.

Surviving are his widow and two children.

Guy N. Collins

Guy N. Collins, chief botanist for the bureau of plant industry, Department of Agriculture, Washington, D. C., died in his home in Lanham, Md., August 14. He was sixty-six years of age.

Born in Mortensia, N. Y., Mr. Collins attended the Syracuse University for two years, leaving in 1892 to go to West Africa, where he remained for eight years, with the American Colonization Society, working on settlement problems for American Negroes who had been sent to Africa. In 1900 he joined the Bureau of Plant Industry, and was named an assistant botanist in 1901. After visiting many Latin-American countries for the study of plant life, he specialized in 1904 in the study of the avocado pear in Guatemala, which he introduced in this country. In 1906 he discovered a type of cotton growing in Acala, Mexico, and seedlings and seeds of which he introduced in Texas, New Mexico and Arizona, with the result that the plantations of the Southwest are devoted almost exclusively to this type of cotton. He was a pioneer in the science of production of hybrid corn.

Surviving are his widow, two sons and two stepchildren.

Adolph Lewisohn

Adolph Lewisohn, president of the Tennessee Corporation, died August 17 at his Summer home in Upper Saranac Lake, N. Y. He was eighty-nine years of age.

Born in Hamburg, Germany, Mr. Lewisohn came to the United States in 1867, and soon became a successful business man. He was president of the firm of Adolph Lewisohn & Sons, this city, and headed many mining companies, including the Tennessee Corporation, the Central Development Compay, Miami Copper Company and the South American Gold and Platinum Company.

He made a number of large gifts to educational and charitable institutions. Among these was a gift of $300,000 to Columbia University for construction of its School of Mines building, and the Lewisohn Stadium of the College of the City of New York.

George B. Rayner

George B. Rayner, vice-president of the Carborundum Company, Niagara Falls, N. Y., died in his home in Lewiston Heights, N. Y., August 15. He was sixty-seven years of age.

Born in Northampton, Mass., Mr. Raynor early in his career became identified with the abrasive industry. In 1898 he joined the Carborundum organization, and was named vice-president in 1918. A member of the City Council, he was prominent in advancing the city manager form of government in Niagara Falls.

Surviving are his wife and one son.

Vernon Hazen Brooks, professor of botany at St. John's University, Brooklyn, died in a hospital in Port Chester, N. Y., August 10, after an illness of several months. He was thirty-two years of age. He was a graduate of Columbia University College of Pharmacy, where he received his B.S. degree in 1928. He has been on the faculty of St. John's for nine years. Surviving is his wife.

Joseph Burkan, of the Fulton Drug Company, this city, died unexpectedly August 18 from a heart attack. Surviving are his wife and two sons.

Alfred E. Fuchs, a retired chemist, died in a hospital in Los Angeles, Calif., from injuries received in an automobile accident August 5. He was seventy-two years of age. He was a native of Buffalo, N. Y.

Charles W. Hunt, a member of the Federal Trade Commission from 1924 until 1932, died in his home in Washington, D. C., August 16 He was seventy-four years old. Survivors are his widow, two sons and one daughter.

Ferdinand C. Lau, founder of the American Society for Metals, died in a hospital in Chicago August 10. He was seventy-nine years old. After his retirement from business he had been retained as a consultant by Bausch & Lomb Optical Company.

Harry W. Paull, president of the Eagle Manufacturing Company, oil containers, Wellsburg, W. Va., died in his home in that city August 15. He was seventy-two years old.

Earl P. Raub, chemist in the development and Research department of the Baker Castor Oil Company, Jersey City, died of a heart ailment August 7, following an illness of several months. He had been affiliated with the Baker company for seven years. During the World War he was associated with E. I. duPont de Nemours & Co. of Arlington, N. J., and later with Valentine & Co., South Kearney, N. J. Surviving are his wife, mother and sister.

George F. Ruch, assistant to the president of the H. C. Frick Coke Company, Pittsburgh, Pa., died in a hospital in that city August 7, following a two-month illness. He was forty years old. He is survived by his wife and two children.

Louis Minehart Traylor, son of Frank A. Traylor, of the Minehart Tralor Paint Company, Denver, died August 12. He was a graduate of the University of Colorado.

Bids Wanted

Calcium Chloride:—45 tons; U. S. Engineer Office, P. O. Box 60, Vicksburg, Miss.; circular 27, opening August 25.
Enamel:—1,567 gallons, various deliveries; Division of Purchase, Sales and Traffic, Department of Agriculture, Washington, D. C.; procurement 3489, opening August 30.
Fuel, Aircraft:—825,000 gallons; Contracting Officer, Material Division, Air Corps, Wright Field, Dayton, Ohio; procurement 89, opening August 26.
Glyceryl Phthalate, Enamel:—Supplies for Eastern and Western yards; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 4236, opening September 9.
Kerosene:—Supplies, various deliveries; U. S. Engineer Office, Mobile, Ala.; procurement 74, opening August 24.
Laboratory Supplies:—Assistant Director, Bureau of Prisons, Department of Justice, Washington, D. C.; schedule 1550, opening August 29.
Lead, Red:—25,000 pounds dry; U. S. Engineer Office, Custom House, Philadelphia; procurement 54, opening August 24.
White:—4,000 pounds; U. S. Engineer Office, Custom House, Philadelphia; procurement 54, opening August 24.
Nitrocellulose, Dope:—8,000 gallons for Western yards; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 4218, opening September 9.
Pigment:—Supplies for Eastern and Western yards; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 4220, opening September 9.
Oil, Cutting:—1,200 gallons; Commanding Officer, Picatinny Arsenal, N. J.; procurement 108, opening August 26.
Lubricating:—Supplies; Division of Purchases, Material Division, Air Corps, Wright Field, Dayton, Ohio; procurement 72, opening August 30.
Pumice, Laboratory:—2,000 pounds; Veterans Bureau, Chicago and Perry Point; procurement D-30, opening August 22.
Resin:—6,000 pounds of phenol-formaldehye; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 4223, opening September 9.
Soap, Castile:—5,000 pounds; Commanding Officer, Raritan Arsenal, N. J.; procurement 26, opening August 25.
Powder:—5,000 pounds; U. S. Engineer Office, Fort Peck, Mont.; procurement 39, opening August 25.
Soda Ash:—10,000 pounds; Commanding Officer, Raritan Arsenal, N. J.; procurement 26, opening August 25.
Laundry:—9,000 pounds; Quartermaster, Marine Corps, Washington, D. C.; schedule 107, opening August 22.
Tar:—25,000 gallons; State Procurement Office, Newark, N. J.; procurement 25752, opening August 23.

Contracts Awarded

Salt:—80,000 pounds of evaporated; awarded to the Cutler-Magner Company, Duluth, Minn. by Fort Peck, Montana, at .003225c. per pound, f.o.b. Duluth; circular 299, opened July 2.
Soda Phosphate:—26,000 pounds; awarded to H. Kohnstamm & Co., Chicago, by Quartermaster Corps, Chicago, at 2c. per pound; procurement 256, opening June 24.

Shipping Information

All matter under this heading fully protected by copyright

Imports at U.S. Ports

New York Imports

ACID, CRESYLIC—35 cms, Monsanto Chem Co, American Shipper, Liverpool
NITRIC—30 dms, Advance Solvents & Chem Co, Tunaholm, Gothenburg
ADEPS LANAE — 80 dms, Th Goldschmidt Corp, Nieuw Amsterdam, Rotterdam
AGAR AGAR—10 bls, H Baron & Co, Kimikawa, Kobe
ALBUMEN, EGG, HEN — 33 cs, American Cyanamid & Chem Co, Anna Maersk, Shanghai
44 cs, P A Dunkel & Co, Anna Maersk, Shanghai
56 cs, D L Moss & Co, Anna Maersk, Shanghai
ALUM, POTASH—14 cs, Rohner Gehrig & Co, Pennland, Antwerp
ALUMINUM LEAF—24 cs, Globe Shipping Co, Hamburg, Hamburg
118 cs, Globe Shipping Co, Europa, Bremen
30 cs, Rohner Gehrig Co, Normandie, Havre
74 cs, F P Gaskell Co, Columbus, Bremen
AMMONIA, SULPHATE—650 bgs, Bradley & Baker, Nieuw Amsterdam, Rotterdam
ANGELICA ROOT — 1 cs, Park & Tilford, Georgic, London
ANISE—89 bgs, Orizaba, Vera Cruz
ANNATTO SEED—1 cs, H P Winter & Co, Kota Inten, Samarang
ARECA NUTS—67 bgs, Ward, Colombo
ARSENIC—247 bbls, American Smelting & Refining Co, Agwidale, Tampico
ARTIST'S MATERIAL—1 cs, M Grumbacher, Anna Maersk, Yokohama
ASBESTOS—2,193 bgs, Johns-Manville Corp, West Isleta, Capetown
200 bgs, Standard Bank S A, West Isleta, Capetown
ASPHALT—320 bgs, Central Commi Co, Seatrain New Orleans, Havana
1 car, A V Berner & Co, Seatrain New Orleans, Havana
BALSAM—10 cs, Magnus, Mabee & Reynard, Santa Elena, Cristobal
BANANA POWDER — 125 bgs, Sanib Corp, Pastores, Tela
BARYTES, LUMP—15 cars, United Color & Pigment Co, Seatrain New Orleans, Havana
2 cars, United Color & Pigment Co, Seatrain New York, Havana
BAY RUM—50 cs, Hudson Tea & Spice Co, Emilia, San Juan
BLACK CARBON—1 cs, Goodyear Tire & Rubber Co, Silverash, Batavia
BLEACHING POWDER—305 dms, H H Rosenthal Co, Tokai, Yokohama
BLUE, BRONZE—8 cks, C J Osborn & Co, Nieuw Amsterdam, Rotterdam
BONE MEAL—1,100 bgs, Maria, Fiume
BONES—1 car, Geck Trading Corp, Seatrain New Orleans, Havana
1 car, Geck Trading Corp, Seatrain New York, Havana
BRISTLES—3 cs, Hamburg, Hamburg
5 cs, Hamilton Forwarding Co, Europa, Bremen
52 cs, Melchers, Inc, Anna Maersk, Kobe
60 cs, F H Cone & Co, Anna Maersk, Kobe
66 cs, Chase Natl Bank, Anna Maersk, Yokohama
2 cs, M Broverman & Son, American Merchant, London
23 cs, American Merchant, London
15 cs, F H Cone & Co, President Roosevelt, London
121 cs, F W Von Stade, Tokai, Tientsin
50 cs, H Rosenhirsch Co, Tokai, Tientsin
25 cs, Kane Import Corp, Tokai, Tientsin
26 cs, Bloch Bros, Tokai, Tientsin
30 cs, S Hirshenhorn & Son, Tokai, Tientsin
65 cs, B C Ritchie & Co, Tokai, Tientsin
126 cs, F H Cone & Co, Tokai, Tientsin
8 cs, Chesnut, Cooper & Co, Aquitania, Southampton
179 cs, N Wagman & Co, Kimikawa, Tientsin
60 cs, Kane Import Corp, Kimikawa, Tientsin
1 cs, H Rosenhirsch Co, Kimikawa, Kobe
BRONZE POWDER—5 cs, Bryant & Heffernan, Hamburg, Hamburg
1 cs, B F Drakenfeld & Co, Columbus, Bremen
BUCKTHORN BARK—640 bls, Amtorg Trading Co, Nikolai Ejov, Leningrad
CALCIUM TARTRATE—100 bgs, Charles Pfizer & Co, Maria, Bari
CANARY SEED—200 bgs, Exchester, Istanbul
CARAWAY SEED—200 bgs, 22,000 lbs, M Witsenburg, Nieuw Amsterdam, Rotterdam
150 bgs, 16,500 lbs, American Bluefriesveen Co, Nieuw Amsterdam, Rotterdam
100 bgs, 11,000 lbs, Levy & Levis Co, Nieuw Amsterdam, Rotterdam
CARDAMOM—14 cs, Barber S S Line, American Merchant, London
11 cs, American Merchant, London
11 cs, Volkart Bros, Malancha, Colombo
CASSIA—300 bls, A G Dunn, Anna Maersk, Canton
150 bls, Wah Young Co, Anna Maersk, Canton
275 bls, G L Curtin, Kota Inten, Padang
277 bls, H P Winter & Co, Kota Inten, Padang
ROLLS—100 bls, Anna Maersk, Canton
CASTOR BEANS—1,700 bgs, Baker Castor Oil Co, Mormacstar, Bahia
CELERY SEED—670 bgs, City of Perth, Colombo
CHALK—200 bgs, 22,000 lbs, Whittaker, Clark & Daniels, Hamburg, Hamburg
BLOCK—2,000 tons, Taintor Trading Co, Collamer, Dunkirk
PRECIPITATED — 50 bbls, 445 bgs, H J Baker & Bro, Gloucester City, Bristol
50 bbls, 5 tons, 10 cwt, 2 qtrs, 24 lbs, S B Penick & Co, Scythia, Liverpool
CHAMOMILE FLOWERS—10 cs, 3,077 lbs, Hamburg, Hamburg
CHEMICALS—1,016 bgs, 224,859 lbs, Advance Solvents & Chem Co, Hamburg, Hamburg
340 bgs, 57,026 lbs, Sherka Chem Co, Hamburg, Hamburg
10 cs, Wm Neuberg, Hamburg, Hamburg
13 cs, 2 pkgs, Elmer & Amend, Hamburg, Hamburg
34 cks, 12,364 lbs, Innis, Speiden & Co, Hamburg, Hamburg
1 cs, Hensel, Bruckmann & Lorbacher, Hamburg, Hamburg
20 cks, 12,012 lbs, B L Lemke, Hamburg, Hamburg
50 cks, 100 bgs, Reichard-Coulston, Hamburg, Hamburg
200 bgs, 2 cs, Hamburg, Hamburg
40 cks, Robinson-Wagner Co, Hamburg, Hamburg
7 cs, Sandoz Chem Works, Europa, Bremen
9 cks, 4 cs, Europa, Bremen
CHEMICALS—2 cs, Yardley & Co, American Merchant, London
2 cks, L H Lang & G Van Gerder, Nieuw Amsterdam, Rotterdam
4 cs, D C Andrew & Co, Nieuw Amsterdam, Rotterdam
31 cks, American Cyanamid & Chem Co, Nieuw Amsterdam, Rotterdam
4 cks, 10 dms, 8 cs, Advance Solvents & Chem Co, Nieuw Amsterdam, Rotterdam
10 dms, Chemical Marketing Co, Nieuw Amsterdam, Rotterdam
7 cks, Nieuw Amsterdam, Rotterdam
34 cs, Th Goldschmidt Corp, Nieuw Amsterdam, Rotterdam
40 dms, Philip Bauer Co, Black Eagle, Antwerp
15 dms, Advance Solvents & Chem Co, Black Eagle, Antwerp
10 cs, Black Eagle, Antwerp
2 cs, Empress Cosmetics, Normandie, Havre
606 cyls, American Cyanamid & Chem Co, Normandie, Havre
1 cs, Rohner-Gehrig Co, Normandie, Havre
10 cs, G J Wallau, Normandie, Havre
125 cks, Advance Solvents & Chem Co, Pennland, Antwerp
1 dm, Pennland, Antwerp
5 cs, 53 cks, 5 dms, Columbus, Bremen
CHROME ORE—2,000 tons, W R Grace & Co, Ward, Mormugao
525 tons, 14 cwt, 3 qtrs, 13 lbs, Philadelphia National Bank, West Isleta, Lourenco Marques
3 cs, International Selling Corp, Exchester, Izmir
CINCHONA BARK—100 bls, New York Quinine & Chem Works, Nieuw Amsterdam, Rotterdam
PRODUCTS—3 cs, R W Greeff & Co, Nieuw Amsterdam, Rotterdam
CINCHONINE SULPHATE—3 cs, New York Quinine & Chem Works, Nieuw Amsterdam, Rotterdam
CINNAMON—50 bls, Volkart Bros, City of Perth, Colombo
CLAY—47 bgs, 9,512 lbs, P A Gaynor Co, Collamer, Havre
BLUE—91 cks, Milton Greenebaum, Nieuw Amsterdam, Rotterdam
CLOVES—26 bgs, Catz American Co, Kota Inten, Amboina
200 bls, 13 tons, 4 cwt, 1 qtr, 4 lbs, West Isleta, Zanzibar
102 bls, Silverash, Sante Marie
COALTAR, INTERMEDIATES—10 cs, General Dyestuff Corp, Hamburg, Hamburg
3 cs, 4 cks, 2 dms, General Dyestuff Corp, Europa, Bremen
4 cks, Sandoz Chem Works, Europa, Bremen
15 cs, 6 cans, General Dyestuff Corp, Europa, Bremen
124 dms, General Aniline Works, Nieuw Amsterdam, Rotterdam
2 bottles, 17 cks, 61 dms, 11 jugs, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
6 cks, 7 dms, General Dyestuff Corp, Columbus, Bremen
COBALT METAL—22 kgs, Central Trading Corp, Scanyork, Wiborg
COCOA BEANS—100 bgs, Daarnhouwer & Co, Kota Inten, Colombo
791 bgs, C Zard, West Irmo, Lagos
721 bgs, Compagnie Franque de l'Afrique, West Irmo, Lagos
2,842 bgs, Balfour, Guthrie & Co, West Irmo, Lagos
2,192 bgs, Standard Bank South Africa, West Irmo, Accra
4,000 bgs, Balfour, Guthrie & Co, West Irmo, Accra
2,300 bgs, Superintendence Co, West Irmo, Accra
1,813 bgs, Compagnie Franque de l'Afrique, West Irmo, Accra
2,250 bgs, Superintendence Co, West Irmo, Winnebah
2,250 bgs, Superintendence Co, West Irmo, Takoradi
2,174 bgs, Compagnie Franque de l'Afrique, West Irmo, Takoradi
2,080 bgs, Barclay Bank, West Irmo, Accra
800 bgs, Superintendence Co, West Irmo, Accra
3,200 bgs, D Bacon, Scythia, Liverpool
1,000 bgs, Machado & Co, Santa Elena, La Guaira
300 bgs, West Isleta, Port Spain
56 bgs, Struller & Wood, Medea, Curacao
100 bgs, Wessel, Duval & Co, Medea, Puerto Cabello
1,500 bgs, Medea, Puerto Cabello
500 bgs, Middleton & Co, Telamon, Port Spain
250 bgs, General Cocoa Co, Telamon, Port Spain
950 bgs, Curacao Trading Co, San Juan, San Pedro
850 bgs, Porcella Vicini & Co, San Juan, Porto Plata
300 bgs, Machado & Co, San Juan, Porto Plata
1,250 bgs, Curacao Trading Co, San Juan, Porto Plata
1,000 bgs, Irving Trust Co, San Juan, Porto Plata
500 bgs, Carr Bros, San Juan, Porto Plata
250 bgs, Gillespie & Co, San Juan, Puerto Plata
1,000 bgs, I L Toledano Corp, San Juan, Puerto Plata
2,000 bgs, Wessel Kulenkampf & Co, Mormacstar, Bahia
1,000 bgs, Wood & Selick, Mormacstar, Bahia
1,000 bgs, Royal Bank of Canada, Almena, Trujillo
1,720 bgs, Wessel Kulenkampf & Co, Almena, Trujillo
1,185 bgs, Gillespie & Co, Almena, Trujillo
1,200 bgs, Machado Co, Almena, Trujillo
65 bgs, Schutte & Bieneman, Almena, Trujillo
600 bgs, Geck Trading Co, Almena, San Pedro
1,000 bgs, W R Grace & Co, Almena, Sanchez
280 bgs, Wessel Kulenkampf & Co, Almena, Sanchez
900 bgs, Machado & Co, Almena, Puerto Plata
550 bgs, Porcella, Vicini & Co, Almena, Puerto Plata
250 bgs, National City Bank, Almena, Puerto Plata
2,000 bgs, Curacao Trading Co, Almena, Puerto Plata
15 bgs, Daggett Chocolate Co, Emilia, San Juan
COCONUTS—1,000 bgs, 100,000 lbs, Standard Fruit S S Co, Yoro, La Ceiba
700 bgs, 70,000 lbs, General Food Corp, Ancon, Cristobal
COCONUTS—660 bgs, 60,000 lbs, General Food Corp, Talamanca, Cristobal
228 bgs, 22,800 lbs, I L Toledano Corp, Talamanca, Kingston
500 bgs, 50,000 lbs, Far Eastern Mfg Co, Talamanca, Kingston
2,490 bgs, 249,900 lbs, General Food Corp, Talamanca, Kingston
500 bgs, 50,000 lbs, Standard Fruit S S Co, Atlantida, La Ceiba
75 bgs, 7,500 lbs, E Trucco, Emilia, San Juan
1,898 bgs, 189,800 lbs, General Food Corp, Emilia, San Juan
344 bgs, 34,400 lbs, I L Toledano Corp, Emilia, San Juan
COCONUT, DESIC—192 cs, Durkee Famous Food, Anna Maersk, Manila
1,181 cs, Durkee Famous Food, Anna Maersk, Manila
4,193 cs, General Food Corp, Anna Maersk, Manila
COLORS—1 cs, B F Drakenfeld & Co, Scythia, Liverpool
10 cks, Fulton Dye & Import Co, Normandie, Havre
COALTAR—21 kgs, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
DRY—17 cks, C J Osborn & Co, Nieuw Amsterdam, Rotterdam
COPPER RESIDUE—27 cks, Pennland, Antwerp
COPRA—46 bgs, Kota Inten, Colombo
CORIANDER SEED—4 bgs, Park & Tilford, Georgic, London
CORK—140 bls, 35 bgs, L Mundet & Sons, Ada O, Lisbon
SHAVINGS—479 bls, Chemical Bank Trust Co, Exchester, Bona
VIRGIN—857 bls, L Mundet & Sons, Ada O, Lisbon
WASTE—23,690 bls, L Mundet & Sons, Ada O, Lisbon
6,795 bls, Chemical Bank Trust Co, Exchester, Djidjelli
WOOD—10 bls, Wicander & Co, Maria, Algiers
424 bls, Maria, Gibraltar
27 bls, Wicander & Co, Exchester, Bona
CUTTLEFISH BONES—692 cs, Maria, Sfax
60 cs, American Cuttlefish Bone Co, Normandie, Havre
DEXTRIN—25 bls, Penson & Co, Normandie, Havre
DIAZO—5 bbls, C Bruning, Nieuw Amsterdam, Rotterdam
DIETHYL SULPHATE—13 dms, 7,213 lbs, Perry Ryer & Co, Collamer, Havre
DUTCH METAL—2 cs, B F Drakenfeld & Co, Columbus, Bremen
DYES, ALIZARIN—4 cks, 2 cns, General Dyestuff Corp, Europa, Bremen
1 cs, 24 cks, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
31 cns, 7 cks, General Dyestuff Corp, Columbus, Bremen
ANILIN—6 cks, 1 pkg, General Dyestuff Corp, Hamburg, Hamburg
211 dms, Ciba Co, Europa, Bremen
11 dms, Sandoz Chem Works, Europa, Bremen
11 cks, 1 cs, General Dyestuff Corp, Europa, Bremen
37 cks, 22 dms, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
11 cks, 1 cs, General Dyestuff Corp, Europa, Bremen
37 cks, 22 dms, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
73 cns, 2 cs, 31 bbls, Ciba Co, Normandie, Havre
17 bbls, Geigy Co, Normandie, Havre
55 cks, 1 cs, Carbic Color & Chem Co, Normandie, Havre
30 cks, 1 cs, General Dyestuff Corp, Columbus, Bremen
EARTH SILICIOUS—204 bgs, Columbus, Bremen
EPHEDRA—23 bls, S B Penick & Co, Tokai, Tientsin
100 bls, Ganes Chem Works, Kimikawa, Tientsin
96 bls, S B Penick & Co, Kimikawa, Tientsin
ETHYL CHLORIDE—2 cs, 121 lbs, Draeger Shipping Co, Hamburg, Hamburg
FAT, VEGETABLE—268 cs, 35,376 lbs, Hamburg, Hamburg
FENNEL SEED—165 bgs, City of Perth, Colombo
FILTER COMPOUND — 100 bls, President Roosevelt, Hamburg
PAPER—11 cs, H Reeve, Angel & Co, Georgic, London
64 pkgs, H Reeve, Angel & Co, Aquitania, Southampton
PULP—10 bls, Pennland, Antwerp
FIRECLAY—200 bgs, Clay Stone Co, Columbus, Bremen
FLAXSEED—3,353 tons, 134,120 bus, L Dreyfus & Co, Mormacstar, Santa Fe
FLEASEED—18 bgs, City of Perth, Colombo
FLOWERS, MEDICINAL—8 bls, Peek & Velsor, Aquitania, Southampton
GELATIN—25 cs, International Selling Corp, Pennland, Antwerp
POWDERED—100 brs, Normandie, Havre
GINGER ROOT—94 bgs, Scythia, Liverpool
60 bgs, B H Old & Co, Talamanca, Kingston
5 bgs, D Steengrafe, Emilia, San Juan
GLASS, PLATE—3 cs, C Happel, Hamburg, Hamburg
WINDOW—3 cs, Leo Popper & Son, Hamburg, Hamburg
3,605 cs, Vitrea Co, President Roosevelt, Hamburg
1,000 cs, Pennland, Antwerp
GLUESTOCK—38 bls, H Remis, Seatrain New York, Havana
141 bls, Banca Com'l Italian Trust Co, Maria, Trieste
19 bls, Damstadt-Scott-Courtney, Maria, Trieste
GLYCERIN—1 car, Colgate-Palmolive-Peet Co, Seatrain New Orleans, Havana
40 dms, Armour Soap Works, Scanyork, Copenhagen
GRAPHITE—9 bbls, 250 bgs, City of Perth, Colombo
286 bgs, National City Bank, City of Perth, Colombo
LIQUID—3 cks, Globe Shipping Co, Nieuw Amsterdam, Rotterdam
GREASE WOOL—35 dms, 16,977 lbs, Continental Bank Trust Co, Collamer, Dunkirk
GUM—24 bgs, American Merchant, London
1 cs, Chicle Development Co, Jamaica, Puerto Limon
ARABIC—155 bgs, Frank Vliet Co, City of Perth, Port Sudan
150 bgs, Orbis Product Corp, City of Perth, Port Sudan
150 bgs, Innis, Speiden & Co, City of Perth, Port Sudan
350 bgs, H Heide, City of Perth, Port Sudan
150 bgs, Paul A Dunkel & Co, City of Perth, Port Sudan
300 bgs, Malancha, Port Sudan
350 bgs, T M Duche & Sons, Malancha, Port Sudan
GUM, CHICLE—10 bgs, F Huber & Co, Orizaba, Vera Cruz
COPAL — 200 bgs, Stroock & Wittenberg, Anna Maersk, Manila
14 bgs, W H Scheel, Anna Maersk, Manila
1 cs, Freedman & Slater, Kota Inten, Macassar
113 baskets, Manufacturers' Trust Co, Kota Inten, Macassar
68 bgs, 381 baskets, O G Innes Corp, Kota Inten, Macassar
40 bgs, O G Innes Corp, Pennland, Antwerp
210 bgs, American Cyanamid & Chem Co, Silverash, Singapore
DAMMAR—50 cs, S Winterbourne & Co, Kota Inten, Batavia
200 cs, O G Innes Corp, Kota Inten, Batavia
100 cs, American Cyanamid & Chem Co, Kota Inten, Batavia
125 cs, Kota Inten, Batavia
400 bgs, Thurston & Braidich, Kota Inten, Batavia
50 cs, Gillespie-Rogers-Pyatt Co, Kota Inten, Singapore
100 cs, O G Innes Corp, Kota Inten, Padang
50 cs, Gillespie-Rogers-Pyatt Co, Silverash, Singapore
LOCUST—50 bgs, Paul A Dunkel & Co, Rex, Genoa
50 bgs, Stein, Hall & Co, Rex, Genoa
50 bgs, Italian Line, Rex, Genoa
NIGER—382 bgs, Chicle Development Co, West Irmo, Lagos
OLIBANUM—32 cs, J L Hopkins & Co, City of Perth, Aden
PERILLA—39 bls, Chicle Development Co, Santa Elena, Cristobal
TRAGACANTH—6 cs, Georgic, London
250 bgs, Amtorg Trading Co, Nikolai Ejov, Leningrad
GYPSUM—2,050 tons, National Gypsum Co, Vaga, Dingwall
HENNA LEAVES—101 bls, Malancha, Port Said
HERBS, CRUDE—35 cs, Hamburg, Hamburg
29 bls, S B Penick & Co, Exchester, Bona
HOPS—1 bl, American Shipping Co, President Roosevelt, Hamburg
1 bl, B J Schwarz & Son, President Roosevelt, Hamburg
INSECTICIDE—9 dms, McCormick Sales Co, Agwidale, Tampico
IPECAC ROOT—11 bgs, C E Griffin & Co, Ancon, Central American Ports
IRON ORE—12 bgs, J G Baragwanath, Jamaica, Havana
16 dms, 224 bgs, Reichard, Coulston, American Shipper, Liverpool
OXIDE—50 bbls, G J Collins & Co, Gloucester City, Bristol
224 bgs, Gloucester City, Bristol
15 kgs, J H Rhodes & Co, Scythia, Liverpool
96 bbls, Rohner, Gehrig & Co, Columbus, Bremen
ISINGLASS—6 cs, Richard Shipping Corp, American Merchant, London
10 cs, National Carloading Corp, American Merchant, London
6 cs, American Merchant, London
JALAP ROOT—22 bgs, S B Penick & Co, Orizaba, Vera Cruz
15 bgs, Orizaba, Vera Cruz
JUNIPER BERRIES—8 bgs, Park & Tilford, Georgic, London
LAC—2 cs, National Carloading Corp, Hamburg, Hamburg
LICORICE ROOT—60 bgs, Exchester, Izmir
84 bgs, Amtorg Trading Co, Nikolai Ejov, Leningrad
LIME, HYDRATED—300 bgs, Gloucester City, Bristol
LITHOPONE—400 cks, Benj Moore & Co, Nieuw Amsterdam, Rotterdam
LUPINS—100 bgs, Maria, Bari
MACE—42 cs, Catz American Co, Kota Inten, Macassar
16 cs, Catz American Co, Kota Inten, Amboina
24 cs, Nieuw Amsterdam, Rotterdam
43 cs, Catz American Co, Nieuw Amsterdam, Rotterdam
15 cs, Catz American Co, Adrastus, Batavia
MAGNESIA, CALCINED—7 cs, Schofield-Donald Co, American Shipper, Liverpool
CARBONATE—110 cs, 30 cks, 100 bgs, Schofield-Donald Co, American Shipper, Liverpool
MANGANESE—1 car, U F Ford, Seatrain New Orleans, Havana
CHLORIDE—4 cks, Transylvania, Glasgow
MINERAL—1 car, U F Ford, Seatrain New York, Havana
MANGROVE BARK EXTRACT—1,000 bgs, Silverash, Singapore
MATCHES, SAFETY—500 cont, 10,670 lbs, Guaranty Trust Co, Hamburg, Hamburg
300 tins, Pennland, Antwerp
13,014 cs, Chase National Bank, Nikolai Ejov, Leningrad
2,000 cont, N Y Match Co, Tunaholm, Gothenburg
MEDICINAL PREPS—5 cs, Burroughs-Wellcome & Co, American Merchant, London
2 cs, E Fougera & Co, Normandie, Havre
4 cs, Italian Drug Import Co, Rex, Genoa
METHYL, TAURINE—191 dms, General Aniline Works, Nieuw Amsterdam, Rotterdam
MICA—15 cs, Philadelphia National Bank, Ward, Calcutta
15 cs, E J Cornelis, City of Perth, Calcutta
BLOCK—50 cs, Ward, Calcutta
60 cs, Malancha, Calcutta
36 cs, Brown Bros, Harriman Co, Malancha, Calcutta
DISCS—9 cs, Gillespie, Rogers, Pyatt Co, Ward, Calcutta
FILM—11 cs, Ward, Calcutta
2 cs, Brown Bros, Harriman Co, Malancha, Calcutta
SCRAP—1 bg, Brown Bros, Harriman Co, Malancha, Calcutta
SPLITTINGS—18 cs, Gillespie, Rogers, Pyatt Co, Ward, Calcutta
40 cs, Ward, Calcutta
236 cs, General Electric Co, City of Perth, Calcutta
25 cs, Malancha, Calcutta
19 cs, Gillespie, Rogers, Pyatt Co, Malancha, Calcutta
MOLASSES—8,080 gls, Boston Molasses Corp, Seatrain New Orleans, Havana
MUSTARD SEED—2 bgs, Nanking & Co, Tokai, Tientsin
NIGER SEED—200 bgs, City of Perth, Colombo
NUTGALLS—600 bgs, Bingham & Co, Anna Maersk, Canton
NUTMEGS—40 bgs, Catz American Co, Kota Inten, Amboina
NUX VOMICA—67 bgs, City of Perth, Colombo
OIL, ABIES—2 dms, Magnus, Mabee & Reynard, Anna Maersk, Kobe
BERGAMOT—10 qtr cs, J B Horner, Maria, Messina
CAJEPUT—2 dms, Kota Inten, Macassar

OIL, CAMPHOR—25 dms, Orbis Product Corp, Anna Maersk, Kobe
CASHEW—239 dms, City of Perth, Cochin
CASSIA — 15 dms, Bingham & Co, Anna Maersk, Canton
CITRONELLA—49 dms, Kota Inten, Batavia
32 dms, Kota Inten, Colombo
1 dm, Volkart Bros, City of Perth, Colombo
36 dms, Geo Uhe Co, Steel Navigator, Batavia
CLOVES—8 dms, Silverash, Sainte Marie
COCONUT—531 tons, Spencer Kellogg & Sons, Anna Maersk, Manila
10 cs, I L Toledano Corp, Talamanca, Kingston
270 tons, Wecoline Products, Silverash, Manila
1,200 tons, Philippine Refining Corp, Silverash, Manila
250 tons, Philippine Refining Corp, Silverash, Manila
691 tons, Philippine Refining Corp, Steel Navigator, Manila
COD—200 dms, Hamburg, Hamburg
300 dms, Oslofjord, Oslo
50 cks, Oslofjord, Bergen
200 dms, E M Javitz Co, Oslofjord, Aalesund
156 cks, Balfour, Guthrie & Co, President Roosevelt, Hamburg
52 cks, F W Damon, Fort Amherst, St Johns
CODLIVER — 25 dms, Davis & Lawrence, Oslofjord, Aalesund
348 dms, Oslofjord, Reykjavik
268 dms, J D Irwin & Co, President Roosevelt, Hamburg
100 dms, Tobias Pergement & Co, President Roosevelt, Hamburg
CORN—598 dms, Corn Product Refining Co, Anna Maersk, Kobe
570 dms, Corn Product Refining Co, Collamer, Dunkirk
100 dms, Corn Product Refining Co, Agwidale, Tampico
114,642 kilos, Black Eagle, Antwerp
COTTONSEED—158 dms, Mormacstar, Santos
805,931 kilos, West Texas Cotton Oil Co, Mormacstar, Santos
ESSENTIAL—3 dms, Pastores, Tela
3 cs, American Merchant, London
4 cs, Georgic, London
4 cs, President Roosevelt, Havre
2 cs, Nieuw Amsterdam, Rotterdam
77 pkgs, Normandie, Havre
3 dms, Talamanca, Kingston
FISH LIVERS—10 dms, Vitamerican, Inc, Anna Maersk, Yokohama
90 dms, Vitamerican, Inc, Kimikawa, Yokohama
FUEL—111,000 bbls, Standard Oil Co of N J, Peter Huell, Aruba
110,000 bbls, Standard Oil Co of N J, Heinrich V Riedmann, Aruba
81,000 bbls, Standard Oil Co of N J, Thalia, Aruba
44,000 bbls, Standard Oil Co of N J, Standard, Aruba
GERANIUM—8 dms, Silverash, Pointe des Caletes
LEMON—10 cs, Wells, Fargo & Co Express, Orizaba, Vera Cruz
LUBRICATING—4 dms, Hensel Bruckmann & Lorbacher, Europa, Bremen
MANDARIN—10 cs, Geo Lueders & Co, Exchester, Messina
OLIVE—31 cs, Maria, Bari
150 dms, Guaranty Trust Co, Maria, Sfax
25 dms, Irving Trust Co, Maria, Sfax
50 dms, Maria, Sfax
50 dms Magnus, Mabee & Reynard, Maria, Sousse
75 dms, Philadelphia National Bank, Maria, Sousse
265 dms, Maria, Sousse
100 dms, Philadelphia National Bank, Maria, Algiers
795 cs, Maria, Seville
107 cs, Normandie, Havre
CLIVE SULPHUR—300,000 kilos, Donredoure Bros, Maria, Oran
ORANGE—23 dms, D Bacon, Scythia, Liverpool
5 qtr cs, J B Horner, Maria, Messina
10 cs, Geo Lueders & Co, Talamanca, Kingston
PALM—324 tons, Van Leeuwen, Boomkamp & Co, Kota Inten, Belawan Deli
749 tons, Kota Inten, Belawan Deli
PATCHOULI—1 cs, J F Frank, Kota Inten, Batavia
20 cs, Silverash, Singapore
PEANUT—226 tons, Mitsui & Co, Tokai, Dairen
PERILLO—339 tons, Mitsui & Co, Tokai, Dairen
PETITGRAIN—25 cs, W R Grace & Co, Mormacstar, Buenos Aires
SASSAFRAS—23 dms, Norda Essential Oil & Chem Co, Anna Maersk, Kobe
37 dms, Ungerer & Co, Anna Maersk, Kobe
SHEANUT—121 dms, Balfour, Guthrie & Co, West Irmo, Grand Bassam
33 bbls, N C Littauer, Nieuw Amsterdam, Rotterdam
TEASEED—200 dms, Bingham & Co, Anna Maersk, Canton
WHITE—65 dms, Pennland, Antwerp
YLANG YLANG—5 cs, Ungerer & Co, Anna Maersk, Manila
18 cks, French Line, City of Perth, Port Said
ORANGE PEEL—36 bgs, Medea, Curacao
ORRISROOT—200 bgs, Charles Mathieu, Maria, Venice
PALMKERNELS—4,964 bgs, Balfour, Guthrie & Co, West Irmo, Lagos
8,090 bgs, G B Ollivant, West Irmo, Lagos
PAPAIN—9 cs, R J Prentiss & Co, Ward, Colombo
10 cs, City of Perth, Colombo
11 cs, Manufacturers Trust Co, City of Perth, Colombo
13 half chests, Dodwell & Co, Malancha, Colombo
20 cs, S B Penick & Co, Malancha, Colombo
PAPRIKA—25 bgs, Hamburg, Hamburg
50 cs, 600 bgs, American Merchant, London
625 bgs, Continental Spice Co, President Roosevelt, Hamburg
25 bgs, H S Dorf & Co, President Roosevelt, Hamburg
10 bgs, H Roth, President Roosevelt, Hamburg
12 bgs, Paprikas Weiss, President Roosevelt, Hamburg

CLEANING MILLING
GUMS, DRUGS, FOOD PRODUCTS
To
Your Specification
Try
Gruman's Service
Telephone MArket 3-2491
J. B. GRUMAN CO.
St. Francis, Komorn and Maine Sts.
Est. 1854 NEWARK, N.J.

PAPRIKA—150 bgs, P H Petry & Co, President Roosevelt, Hamburg
25 bgs, Avery F Payne Co, President Roosevelt, Hamburg
PARAFFIN—4,848 bgs, Asiatic Petroleum Corp, Kota Inten, Balik Papan
PATCHOULI LEAVES—34 bls, W J Bush & Co, Silverash, Penang
178 bls, Silverash, Singapore
PEATMOSS—300 bls, Halfmoon Mfg & Trading Co, Nieuw Amsterdam, Rotterdam
1,300 bls, Columbus, Bremen
3 bls, Dal International Trade Corp, Scanyork, Gdynia
PEPPER, BLACK—243 bgs, Kota Inten, Kota Agoeng
75 bgs, Kota Inten, Tandjong Priok
448 bgs, Kota Inten, Oosthaven
469 bgs, O Gerdau Co, Kimikawa, Kobe
477 bgs, Catz American Co, Kimikawa, Kobe
243 bgs, Joensson Import Corp, Silverash, Oosthaven
WHITE—81 bgs, Kota Inten, Pk Pinang
PEPPERMINT—20 cs, E W C Toepfer, Europa, Bremen
PERFUMERY, SYN—8 cs, Firmenich & Co, Hamburg, Hamburg
PETROLEUM, CRUDE—53,000 bbls, Standard Oil Co of N J, Housatonic, Aruba
115,459 bbls, Standard Oil Co of N J, J H Senior, Guiria
82,092 bbls, Gulf Oil Corp, Adellen, Las Piedras
96,000 bbls, Standard Oil Co of N J, Esso Bolivar, Aruba
68,000 bbls, Standard Oil Co of N J, Standard, Aruba
PIMENTO—100 bgs, A G Dunn, Talamanca, Kingston
POPPYSEED—200 bgs, 22,000 lbs, R L Friedler, Nieuw Amsterdam, Rotterdam
POTASH, CARBONATE—15 cks, 7,227 lbs, T C Wygandt, Hamburg, Hamburg
CAUSTIC—10 dms, 5,572 lbs, American Cyanamid & Chem Co, Hamburg, Hamburg
CHLORATE—200 cyls, 24,288 lbs, Charles Hardy, Collamer, Havre
300 cks, Atlantic Freighting Corp, Black Eagle, Antwerp
PYRETHRUM FLOWERS — 125 bls, S B Penick & Co, Anna Maersk, Kobe
125 bls, West Isleta, Mombasa
200 bls, J Powell & Co, Kimikawa, Kobe
QUICKSILVER — 124 flks, Chase National Bank, Agwidale, Tampico
12 flks, Orizaba, Vera Cruz
QUINIDINE SULPHATE—5 cs, New York Quinine & Chem Works, Nieuw Amsterdam, Rotterdam
RHUBARB—32 cs, Anna Maersk, Shanghai
RUBBER, SYN—174 bxs, Advance Solvents & Chem Co, Europa, Bremen
1 ck, Advance Solvents & Chem Co, Nieuw Amsterdam, Rotterdam
SAFFRON, AMERICAN—9 bdls, J L Hopkins & Co, Orizaba, Vera Cruz
SARSAPARILLA ROOT—10 bdls, Eggers & Heinlein, Pastores, Tela
51 bls, Agwidale, Tampico
SEED, MEDICINAL—12 bgs, Pennland, Antwerp
SESAME SEED—280 bgs, Anna Maersk, Canton
68 bgs, City of Perth, Colombo
348 bgs, T M Duche & Sons, City of Perth, Port Sudan
2 bgs, Nanking & Co, Tokai, Tientsin
348 bgs, T M Duche & Sons, Malancha, Port Sudan
SHELLAC—600 bgs, Guaranty Trust Co, City of Perth, Calcutta
25 chests, City of Perth, Calcutta
630 bgs, Philadelphia National Bank, Malancha, Calcutta
500 bgs, A Hurst & Co, Malancha, Calcutta
250 bgs, Ralli Bros, Malancha, Calcutta
700 bgs, Guaranty Trust Co, Malancha, Calcutta
575 bgs, Wm Zinsser & Co, Malancha, Calcutta
300 bgs, E E Androvette, Malancha, Calcutta
900 bgs, Malancha, Calcutta
BUTTON LAC—10 bgs, Ralli Bros, Georgic, London
25 bgs, Guaranty Trust Co, Malancha, Calcutta
SEEDLAC—300 bgs, Wm Zinsser & Co, City of Perth, Calcutta
400 bgs, Montrose Corp, City of Perth, Calcutta
200 bgs, Bank of London-South America, City of Perth, Calcutta
300 bgs, Chase National Bank, City of Perth, Calcutta
950 bgs, Ralli Bros, City of Perth, Calcutta
500 bgs, City of Perth, Calcutta
100 bgs, Ralli Bros, Georgic, London
200 bgs, Philadelphia National Bank, Malancha, Calcutta
100 bgs, Guaranty Trust Co, Malancha, Calcutta
200 bgs, Bank of London-South America, Malancha, Calcutta
400 bgs, Wm Zinsser & Co, Malancha, Calcutta
1,600 bgs, Ralli Bros, Malancha, Calcutta
SOAP BARK—100 bgs, 11,000 lbs, Hamburg, Hamburg
SOAP—2 cs, R F Downing & Co, Aquitania, Southampton
TOILET—10 cs, F C Gerlach, Aquitania, Southampton
SODA, CARBONATE MONOHYDRATE — 20 dms, Titan Shipping Co, American Shipper, Liverpool
HYDROSULPHITE—40 dms, 9,504 lbs, Hamburg, Hamburg
PRUSSIATE—203 kegs, H H Rosenthal Co, Tokai, Yokohama
SILICOFLUORIDE—80 bbls, 23,760 lbs, Innis, Speiden & Co, Hamburg, Hamburg
SOYBEAN RESIDUE—4 dms, 2,778 lbs, Hamburg, Hamburg
SPONGES—12 bls, Florida Sponge & Chamois Co, Oriente, Havana
1 bl, J H Rhodes & Co, Orizaba, Havana
31 bls, American Sponge & Chamois Co, Orizaba, Havana
10 bls, Orizaba, Havana
34 bls, Schroeder & Tremayne, Normandie, Havre
180 bls, J H Rhodes & Co, Munargo, Nassau
5 bls, J E Bernard & Co, Munargo, Nassau
2 bls, Royal Bank of Canada, Munargo, Nassau
1 bl, Munargo, Nassau
REFUSE—20 bls, A Bloch & Son, Jamaica, Havana
19 bls, American Sponge & Chamois Co, Orizaba, Havana
7 bls, Orizaba, Havana
12 bls, Royal Bank of Canada, Munargo, Nassau
10 bls, Munargo, Nassau
SQUILL—153 bgs, Maria, Bari
STARCH, POTATO—250 bgs, Stein, Hall & Co, Nieuw Amsterdam, Rotterdam
200 bgs, Mitsui & Co, Kimikawa, Otaru
SUMAC—350 bgs, 55,825 lbs, E E Androvette, Exchester, Palermo
TALLOW, VEGETABLE—20 cs, Th Goldschmidt Corp, Nieuw Amsterdam, Rotterdam
TANKAGE—2,508 bgs, Mormacstar, Santos
TAPIOCA, FLAKE—350 bgs, Kota Inten, Tjilatjap
FLOUR—509 bgs, Chase National Bank, Kota Inten, Cheribon
1 cs, Rutger, Bleecker & Co, Kota Inten, Batavia
250 bgs, Bank of Manhattan, Kota Inten, Batavia
TAPIOCA FLOUR—500 bgs, Stein, Hall & Co, Kota Inten, Tjilatjap
1,359 bgs, Stein, Hall & Co, Kota Inten, Cheribon
50 bgs, Stein, Hall & Co, Kota Inten, Batavia
500 bgs, American Cyanamid & Chem Co, Silverash, Cheribon
500 bgs, Stein, Hall & Co, Silverash, Batavia
250 bgs, Rutger, Bleecker & Co, Steel Navigator, Batavia
80 bgs, Catz American Co, Steel Navigator, Cheribon
1,740 bgs, Stein, Hall & Co, Steel Navigator, Cheribon
PEARL—50 bgs, Catz American Co, Kota Inten, Cheribon
SEED—25 bgs, Catz American Co, Kota Inten, Cheribon
SIFTING—25 bgs, Catz American Co, Kota Inten, Batavia
TARTAR—53 bgs, Standard Brands, Nieuw Amsterdam, Rotterdam
50 bgs, Charles Pfizer & Co, Maria, Bari
275 bgs, Standard Brands, Maria, Algiers
TOLU BALSAM—20 cs, H E Botzow, Talamanca, Pto Colombia
TUBA ROOT—30 bls, Guaranty Trust Co, Silverash, Singapore
48 bls, S B Penick & Co, Silverash, Singapore
UMBER, BURNT—25 cks, Chase Natl Bank, City of Perth, Port Said
URANIUM NITRATE—10 cs, Central Trading Corp, Pennland, Antwerp
VALONIA—1,180 bgs, J A Barkey Co, Exchange, Izmir
VANILLA BEANS—19 cs, J Manheimer, Silverash, Pointe des Calets
VIOLET ULTRAMARINE—1 ck, Calco Chem Co, Nieuw Amsterdam, Rotterdam
WATER, MINERAL—760 cs, D F Young, Georgic, London
112 cs, F H Leggett & Co, Georgic, London
300 cs, D F Young, Aquitania, Southampton
80 cs, American Agency French Vichy, Normandie, Havre
WATTLE BARK—1,647 bls, West Isleta, Mombasa
1,709 bls, Hammond & Carpenter, West Isleta, Durban
EXTRACT—337 bgs, West Isleta, Durban
WAX—20 cs, L A Salomon & Bros, Normandie, Havre
6 bgs, Wm Zinsser & Co, Malancha, Calcutta
BEES—76 bgs, West Isleta, Dar es Salaam
6 bgs, Schutte & Focke, Medea, Curacao
14 bgs, Medea, Curacao
73 bgs, Agwidale, Tampico
10 bgs, Machado & Co, San Juan, Porto Plata
9 seroons, Porcella, Vicini & Co, San Juan, Porto Plata
36 bgs, Orizaba, Havana
2 seroons, Porcella, Vicini & Co, Almena, Trujillo
17 bgs, Mecke & Co, Almena, Trujillo
18 seroons, Porcella, Vicini & Co, Almena, Puerto Plata
CANDELILLA—452 bgs, M Argueso & Co, Agwidale, Tampico
CARNAUBA — 141 bgs, Strahl & Pitsch, Mormacstar, Bahia
MINERAL—20 bgs, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
MONTAN—525 bgs, 80,850 lbs, Strohmeyer & Arpe Co, Hamburg, Hamburg
4 cks, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
REFINED—5,082 bgs, Standard Oil Co of N J, Kota Inten, Palembang
1,694 bgs, Standard Oil Co of N J, Silverash, Palembang
SPERMACETTI—100 cs, McKesson & Robbins, Transylvania, Glasgow
VEGETABLE—50 bgs, A Hurst & Co, Transylvania, Glasgow
WOODFLOUR—3 bgs, B L Soberski, Oslofjord, Fredrikstad
YEAST—175 bbls, Hamburg, Hamburg
130 bbls, Vulkan Yeast Co, Hamburg, Hamburg

New York Transit Imports

CAMPHOR, REFD—50 cs McKesson & Robbins, Tokai, Kobe, Bridgeport
FILTER PAPER—1 cs, J J Murphy & Co, American Merchant, London, Rochester
GUM, ARABIC—50 bgs, Thompson-Hyward Chem Co, City of Perth, Port Sudan, Kansas City
OIL, COCONUT—1,243 tons, Spencer Kellogg & Sons, Anna Maersk, Manila, Buffalo
SPONGES—13 bls, Oriente, Havana, Havre
31 bls, Oriente, Havana, Bremen
10 bls, Orizaba, Havana, Philadelphia
40 bls, Munargo, Nassau, London
22 bls, Munargo, Nassau, Amsterdam
1 bl, Munargo, Nassau, Holland
2 bls, Munargo, Nassau, Lyon
6 bls, Munargo, Nassau, Stockholm
4 bls, Munargo, Nassau, Rotterdam
4 bls, Munargo, Nassau, Kobe
REFUSE—12 bls, Oriente, Havana, Havre
209 bls, Munargo, Nassau, London
64 bls, Munargo, Nassau, Amsterdam
6 bls, Munargo, Nassau, Lyons
4 bls, Munargo, Nassau, Stockholm
4 bls, Munargo, Nastsau, Rotterdam
STARCH, POTATO—100 bgs, Arnold Hoffman & Co, Nieuw Amsterdam, Rotterdam, Providence
VANILLA BEANS—14 cs, M Cortizas Co, Orizaba, Vera Cruz, Philadelphia
VIOLET MINERAL—2 cks, Holland-American Line, Nieuw Amsterdam, Rotterdam, Kensington, Ill

Baltimore Imports

COCOA BEANS, SHELLS—1,000 bgs, Maasdam, Rotterdam
FERROMANGANESE — 400 tons, Maasdam, Rotterdam
ILMENITE SAND—7,000 tons, Silverfir, Cochin
IRON ORE—4,100 tons, Bethlehem Steel Co, Naumburg, Whyalla
7,039 tons, Leo J Buck, Luossa, Narvik
MANGANESE ORE—8,200 tons, A L Kent, Santiago
MEAKIN MEAL—828 bgs, Naruto, Kobe
MEDICINAL PREPS—25 cs, Maasdam, Rotterdam
MONAZITE SAND—100 tons, Silverfir, Cochin
OIL FUEL—18,195 bbls, Standard Oil Co N J, Invercaibo, Aruba
PEATMOSS—810 bls, Maasdam, Rotterdam
PETROLEUM, CRUDE—108,000 bbls, Standard Oil Co N J, Wilhelm A Riedeman, Aruba
SIENNA—40 bgs, Exchange, Leghorn
VANADIUM—14,100 bgs, Falcon, Callao
ZINC CONC—3,044 tons, Falcon, Callao
ZIRCON—250 tons, Silverfir, Cochin

Boston Imports

ALUM—100 csks, 19 tons, Marble Nye Co, McKeesport, Hull
ALUMINUM POWDER—16 cs, 6,504 lbs, McKeesport, Bremen
BRONZE POWDER—1 cs, 280 lbs, McKeesport, Bremen
CHALK—1,000 bgs, 110,230 lbs, Black Tern, Antwerp
CHEMICALS—50 csks, 23,920 lbs, Advance Solvents & Chemical Corp, Black Tern, Rotterdam
50 bbls, 11,960 lbs, American Cyanamid & Chemical Corp, Black Tern, Antwerp
12 csks, 5,688 lbs, Black Tern, Antwerp
COCONUT, DESIC—50 cs, Kyusyu, Kobe
CODLIVER PRESSINGS—22 bbls, from Newfoundland
COPPERAS—67 cks, 24,372 lbs, Chemical Marketing Co, Black Tern, Antwerp
CRESOL—5 dms, Monsanto Chemical Co, American Shipper, Liverpool
EMERY FILLET—1 cs, Atkinson Haserick & Co, American Shipper, Liverpool
FISH LIVERS—1 bx, R S Hamilton, Evangeline, Yarmouth
4 cs, John Nagle, Evangeline, Yarmouth
9 cs, 1 bx, Atlantic Coast Fisheries Corp, Newfoundland, Halifax
30 cs, from Nova Scotia
5 hlf bbls, 1 cs, 1 bx, L C Hewson, O K Service IV, La Havre, N S
GLASS—3 cs, 7,472 lbs, McKeesport, Hamburg
WINDOW—15 cs, 5,832 lbs, Wheeler Reserve Glass Co, McKeesport, Hamburg
GLUESTOCK, FISH—212 bxs, Russia Cement Co, Evangeline, Yarmouth
10 bxs, 1 bbl, J R Poole, Evangeline, Yarmouth
15 bbls, R H Ranagan, Evangeline, Yarmouth
22 bxs, J R Poole Co, Yarmouth, Yarmouth
5 bxs, J A Rich, Evangeline, Yarmouth
1 bbl, J R Poole, St John, Yarmouth
HIDE CUTTINGS—250 bgs, Newfoundland, Liverpool
GLYCERIN—10 dms, 12,886 lbs, Black Tern, Rotterdam
44 dms, 60,637 lbs, Black Tern, Antwerp
GUM, ARABIC—50 bgs, 11,078 lbs, T M Duche & Sons, City of Perth, Port Sudan
250 bgs, 55,798 lbs, City of Perth, Port Sudan
GYPSUM—5,300 tons, U S Gypsum Co, Gypsum Queen, Windsor
MICA, SCRAP — 4,000 bgs, First National Bank, Malancha, Calcutta
SPLITTINGS—175 cs, Guaranty Trust Co, City of Perth, Calcutta
140 cs, Guaranty Trust Co, Malancha, Calcutta
100 cs, National City Bank, Malancha, Calcutta
NUTMEGS—17 bgs, Kota Inten, Belawan-Deli
100 bgs, Barclay's Bank, Lady Drake, Grenada
50 bgs, Royal Bank of Canada, Lady Drake, Grenada
OIL, COAL—50 dms, 12 tons, 8 cwt, Northeastern Co, McKeesport, Hull
COCONUT — 515 tons, Philippine Refining Corp, Silverash, Manila
COD—50 csk, White & Hodges, Newfoundland, St John's, N F
80 dms, F W Damon, Newfoundland, St John's, N F
186 dms, from Newfoundland
75 csk, from Nova Scotia
4 bbls, L C Hewson, O K Service IV, La Havre, N S
CODLIVER—200 dms, 98,632 lbs, First National Bank, McKeesport, Hamburg
20 dms, 5,071 lbs, McKeesport, Hamburg
35 dms, from Newfoundland
SPERM—210 bbls, Transylvania, Glasgow
25 dms, C H Powell Co, Glasgow
OSSEIN—1,000 bgs, 101,764 lbs, Atlantic Gelatine Co, Black Tern, Antwerp
2,000 bgs, 223,987 lbs, J O Whitten & Co, Black Tern, Antwerp
1,000 bgs, 111,993 lbs, Black Tern, Antwerp
PAPRIKA — 25 bgs, 2,802 lbs, McKeesport, Hamburg
PEATMOSS—5,754 bgs, 210,341 lbs, T D Downing Co, McKeesport, Bremen
600 bls, 94,996 lbs, Peat Import Corp, McKeesport, Bremen
POTASH KAINIT—209,826 lbs, First National Bank, Black Tern, Antwerp
MURIATE—18,011,582 lbs, N V Potash Export Mij, McKeesport, Bremen
SHELLAC—75 bgs, Chase Bag Co, Malancha, Calcutta
200 bgs, Chase National Bank, Malancha, Calcutta
SEEDLAC—200 bgs, First National Bank, City of Perth, Calcutta
100 bgs, City of Perth, Calcutta
200 bgs, Malancha, Calcutta
200 bgs, National Shawmut Bank, Malancha, Calcutta
SOAP—4 cs, 5 cwt, 20 lbs, Scythia, Liverpool
SODA, HYDROSULPHITE—20 kgs, 1 ton, 2 cwt, 16 lbs, Lever Bros Co, Scythia, Liverpool
STARCH, POTATO—750 bgs, 16,534 lbs, Black Tern, Rotterdam
TAPIOCA FLOUR—240 bgs, Chase National Bank, Kota Inten, Cheribon
257 bgs, Chase National Bank, Kota Inten, Batavia
671 bgs, National City Bank, Kota Inten, Sourabaya
1,103 bgs, Silverash, Pasoeroean
TRICHLORETHYLENE—24 dms, Kyusyu, Yokohama

Houston Imports

CHEMICALS—36 csks, Eisenach, Antwerp
PAPRIKA—75 bgs, Eisenach, Hamburg
SODA CHLORATE POWD—500 dms, Eisenach, Hamburg

Los Angeles Imports

AGAR AGAR—70 lbs, Kimikawa, Kobe
STRIPES—2,650 lbs, Kimikawa, Osaka
ANTIMONY ORE—85,000 lbs, From Mexico
ARSENIC—45 dms, 4,500 lbs, San Antonio, Antwerp
BABASSU KERNELS—5,930 bgs, 784,400 lbs, Hardanger, Maranhao
BLEACHING POWDER—145 dms, 14,830 lbs, Oakland, Frankfurt, Main
CALCIUM ARSENATE—500 dms, 50,000 lbs, Kimikawa, Kobe
CANARY SEED—738 bgs, 97,800 lbs, Hardanger, Buenos Aires
CINNAMON—5,000 lbs, President Cleveland, Colombo
COCONUTS, DESIC—125 cs, 17,000 lbs, President Cleveland, Manila
500 cs, 76,120 lbs, Aobasan, Manila
705 ctns, 94,250 lbs, President Cleveland, Manila
COPRA MEAL—4,000 bgs, 400,000 lbs, President Cleveland, Manila
DRUGS, CRUDE—5 lbs, Aobasan, Yokohama
20 lbs, Sonora, Fiji Islands
FISH LIVERS—300 tins, 12,000 lbs, Aobasan, Yokohama
FLEASEED—4,400 lbs, From Marseilles
GELATIN, EDIBLE—350 lbs, Oakland, Brussels
GINGER ROOT—2,270 lbs, Nebraska, Kingston
GLASS, SHEET—44,290 lbs, Oakland, Brussels
WINDOW—20,920 lbs, San Antonio, Brussels
GLUE—50 bgs, 5,390 lbs, Oakland, Berlin
GREASE, WOOL—20 tms, 8,170 lbs, From Bradford
HERBS, CRUDE—30 lbs, Kimikawa, Kobe
MEDICINAL PREP—220 lbs, Kimikawa, Kobe
MINERAL SUBSTANCE—50 lbs, Tatuta, Hongkong
NUTMEGS—20 bgs, 4,000 lbs, From Grenada
OIL, OLIVE—255 cs, 27,760 lbs, Cellina, Leghorn
PEPPER, BLACK—200 bgs, 28,990 lbs, Kimikawa, Yokohama
QUEBRACHO EXTRACT—300 bgs, 31,960 lbs, Hardanger, Buenos Aires

RICE FLOUR—930 lbs, Kimikawa, Yokohama
SAGO FLOUR—148 lbs, 22,380 lbs, Djambi, Singapore
SARDINE MEAL — 2,000 bgs, 200,000 lbs, Aobasan, Japan
SEAWEEDS—750 lbs, President Cleveland, Kobe
600 lbs, Kimikawa, Kobe
2,010 lbs, Kimikawa, Tokyo
500 lbs, Kimikawa, Yokohama
SESAME SEED—50 bgs, 9,750 lbs, President Cleveland, Hongkong
SOAP, TOILET—490 lbs, Oakland, Vienna
STARCH—150 lbs, Kimikawa, Yokohama
POTATO—1,000 lbs, President Cleveland, Kobe
500 lbs, Kimikawa, Kobe
480 lbs, Kimikawa, Yokohama
TANKAGE—1,000 bgs, 101,000 lbs, Hardanger, Sao Paulo
TAPIOCA FLOUR—5,530 lbs, Djambi, Sourabaya
TOILET PREPS—190 lbs, Kimikawa, Kobe
60 lbs, Oakland, Vienna
10 lbs, from Paris
40 lbs, Kimikawa, Yokohama
WATER, MINERAL—210 cs, 13,300 lbs, Cellina, Marseilles
5,150 lbs, Oakland, Cologne
WAX, MINERAL—424 bgs, 56,070 lbs, Djambi, Batavia

Mobile Imports

SODA SULPHATE—635,000 kilos, Chemnitz, Bremen

New Orleans Imports

BAUXITE ORE—2,740 tons, Aluminum Ore Co, Sorvangen, Paramaribo
COCONUTS—2,000 sx, Universal Import & Export Co, Gansfjord, Kingston; 100 sx, A Durand, Gansfjord, Belize
PEATMOSS—530 bls, Peat Import Corp, Oakwood, Bremen
POTASH CHLORATE POWD—465 dms, H Schroeder Banking Corp, Chemnitz, Hamburg
SODA SULPHATE—454,000 kilos, Chemnitz, Bremen

Norfolk Imports

BLOOD, DRY—1,972 bgs, Jaboatao, Rio de Janeiro
BONES—1,395 bgs, 67 tons, Argentino, Buenos Aires
288 bgs, 21 tons, 13 cwts, Hafleigh & Co, Buchanan, Va., Cold Harbor, Manchester
CALCIUM NITRATE—500 tons, Synthetic Nitrogen Products Corp, N Y, Toledo, Parsgrund (Herpen)
CHINA CLAY—1,414 tons, 4 cwts, Paper Makers Importing Co, Hildur I, Fowey
204 tons, John W. Higman Co, Hildur I, Fowey
CLAY, BALI—243 tons, 16 cwts, Paper Makers Importing Co, Hildur I, Fowey
300 tons, John W Higman Co, Inc, Hildur I, Fowey
LEATHER, WASTE—995 bgs, Manchester Producer, Manchester
OIL, FUEL—26,000 bbls, Standard Oil Co of N J, Vancolite, Aruba
TANKAGE—3,000 bgs, Argentino, Santos

Philadelphia Imports

ACIDS, ILLIPE OIL—30 bbls, Maasdam, Rotterdam
ALUMINUM, CHROME DRY—40 cks, Advance Solvents & Chemical Corporation, Maasdam, Rotterdam
BONECHAR, SPENT DISCARD—2,000 bgs, Hollingshurst & Co, Fernhill, Alexandria
FLOUR—552 bgs, Wasgenwald, Hamburg
CARAWAY SEED—30 bgs, Maasdam, Rotterdam
CHEMICALS—125 cks, Wasgenwald, Bremen
175 carboys, Wasgenwald, Hamburg
140 dms Advance Solvents & Chemical Corp, Maasdam, Rotterdam
CHINA CLAY—62,029 kilos, Furness, Withy & Co, Maasdam, Rotterdam
COCOA BEANS—750 bgs, Societe Commerciale de l'Afrique Occidentale, Wasgenwald, Hamburg
737 bgs, Afram Trading Corp, Zarembo, Lagos
2,297 bgs, Balfour, Guthrie & Co, Zarembo, Lagos
745 bgs, Zarembo, Lagos
750 bgs, Superintendence Co, Zarembo, Accra
800 bgs, Afram Trading Corp, Zarembo, Accra
2,400 bgs, Balfour, Guthrie & Co, Zarembo, Accra
725 bgs, Zarembo, Accra
COCOA BEANS—750 bgs, Superintendence Co, Zarembo, Takoradi
1,490 bgs, Balfour, Guthrie & Co, Zarembo, Takoradi
COLORS, EARTH—20 cks, F B Vandegrift & Co, Maasdam, Rotterdam
FIRECLAY—150,000 kilos, Sarcoxie, Hamburg
FISH LIVERS, FROZEN—230 tons, Naruto, Yokohama
FLUORSPAR—1,000 tons, John Cabot, St Lawrence
GAS (and oil samples)—1 cs, Atlantic Refining Co, Zarembo, Freetown
GUM, COPAL—200 bskts, Bank of Manhattan Co, Kota Inten, Macassar
DAMMAR—100 cs, Guaranty Trust Co, Kota Inten, Batavia
GYPSUM, CRUDE—5,500 tons, U S Gypsum Co, Gypsum Empress, Windsor
MACE—14 cs, Kota Inten, Macassar
MAGNESITE—20 dms, Maasdam, Rotterdam
CLINKERS—5,200 bgs, Naruto Maru, Dairen
MEDICINAL PREPS—17 cs, Gold Medal Haarlem Oil Corpn, Black Osprey, Rotterdam
10 cks, Gold Medal Haarlem Oil Corpn, Maasdam, Rotterdam
MOLASSES—635,000 gls, Commercial Molasses Corpn, Castana, Caibarien
FINAL—752,351 gls, Commercial Molasses Corpn, Castana, Caibarien
MUSTARD SEED—311 bgs, Bank of New York & Trust Co, Kyusyu, Tientsin via Kobe
OIL, CODLIVER—75 dms, Allen Forwarding Co, Sarcoxie, Hamburg
CODLIVER, INDUSTRIAL—50 dms, Sarcoxie, Hamburg
CODLIVER, MEDICINAL—25 dms, Sarcoxie, Hamburg
CODLIVER, POULTRY—40 dms, Wasgenwald, Hamburg
275 dms, 80 cks, Sarcoxie, Hamburg
CORN, CRUDE—121,405 kilos, Maasdam, Rotterdam
NUT, CRUDE GROUND—300,000 kilos, Maasdam, Rotterdam
OLIVE—975 cs, Exchange, Leghorn
590 cs, Fernhill, Naples
PALM—808 tons, 15 cwt, 3 qtrs, Balfour, Guthrie & Co, Zarembo, Matadi
1 bx samples, Balfour, Guthrie & Co, Zarembo, Matadi
RESIDUE—75 dms, Wasgenwald, Hamburg
OXIDE, RED—114 bbls, F B Vandegrift & Co, Black Osprey, Antwerp
PEATMOSS—300 bls, Wasgenwald, Bremen
60 bls, Marine Midland Trust Co, Black Osprey, Rotterdam
700 bls, Marine Midland Trust Co, Maasdam, Rotterdam
PEPPER, BLACK—450 bgs, Kota Inten, Tandjong, Priok
WHITE—84 bgs, Kota Inten, Tandjong Priok
PETROLEUM, CRUDE—108,747 bbls, Gulf Oil Corpn, Gulfbird, Las Piedras
81,846 bbls, Atlantic Refining Co, T C McCobb, Las Piedras
110,268 bbls, Gulf Oil Corpn, Gulfwing, Las Piedras
POPPYSEED—50 bgs, Maasdam, Rotterdam
PUMICE—300 bgs, Charles B Chrystal Co, Exchange, Canneto Lipari
STARCH, RICE, POWD—25 bbls, Black Osprey, Antwerp
TANNING MATERIAL, LIQ—1 csk, Roehm & Haas Co, Maasdam, Rotterdam
TIMBO ROOT, POWD—75 cs, Boniface, Para
WETTING AGENT—20 dms, Ciba Co, Black Osprey, Antwerp

Port Arthur Imports

PETROLEUM, CRUDE—68,119 bbls, Washington, Las Piedras

Portland, Ore., Imports

BRISTLES—55 cs, F H Cone & Co, Chichibu, Kobe (transhipped)
IRON OXIDE, RED—5 csks, Reichard, Coulston, Nebraska, Rotterdam

Savannah Imports

TAPIOCA FLOUR—250 bgs, Tweedbank, Batavia

Seattle Imports

IRON OXIDE, RED—15 csks, Reichard, Coulston, Nebraska, Rotterdam
OIL, CODLIVER—50 dms, International Shipping Co, Knute Nelson, Oslo
SOAP, SOFT—1 dm, H B Friele, Knute Nelson, Oslo
TAR, WOOD—15 bbls, Mittet Line & Net Co, Knute Nelson, Oslo
TOILET PREPS—2 cs, Nebraska, London

Exports from U.S. Ports

New York Exports

Clearance Dates

American Farmer, July 29; American Merchant, July 22; Ancon, July 26; Balzac, July 29; Borinquen, August 4; California, August 3; Challenger, July 30; Cubano, July 29; Cypria, July 29; Jean Jadot, July 30; Konigstein, July 29; Laconia, August 1; Lousianan, August 9; Musa, August 5; Normandie, August 2; Neuenfels, August 1; New York, July 27; Paraguayo, July 29; Pastores, July 29; Platano, July 28; San Jacinto, August 6; Santa Rosa, August 4; Scythia, July 22; Sessa, July 29; Siboney, August 4; Thule, August 2; Tosan, July 29; Washington, July 27; Yamabiko, August 5

ACID, DRY—738 lbs, Washington, Hamburg
MONOCHLORACETIC, TECH — 4,532 lbs, American Farmer, London
MURIATIC—930 lbs, Platano, Corinto
SULPHURIC — 5,382 lbs, Challenger, Capetown; 12,504 lbs, Santa Rosa, Porto Colombia
ALCOHOL, ISOPROPYL, REFD—28,560 lbs, American Farmer, London
ALUMINA, SULPHATE—200,000 lbs, Louisianan, Bail Comeau; 2,675 lbs, Sessa, Buenaventura; 66,186 lbs, Siboney, Vera Cruz
ASPHALT — 4,840 lbs, American Merchant, London; 16,860 lbs, Tosan, Yokohama; 6,600 lbs, Challenger, Durban; 2,853 lbs, Cypria, Port Louis; 11,110 lbs, Sessa, Callao
LIQUID — 61,629 lbs, Washington, Havre; 48,275 lbs, Jean Jadot, Antwerp; 11,851 lbs, American Merchant, London; 11,310 lbs, American Farmer, London
SOLID—32,972 lbs, Scythia, Liverpool
BENZOL—1,100 gls, Paraguayo, Buenos Aires; 2,750 gls, Balzac, Buenos Aires
CALCIUM, CHLORIDE—32,958 lbs, Sessa, Coquimbo
PHOSPHATE—3,383 lbs, American Merchant, London
CASCARA SAGRADA BARK — 15,685 lbs, American Merchant, London
CASCARILLA BARK — 630 lbs, Washington, Hamburg
CHEMICALS—21,002 lbs, American Merchant, London
CLAY—40,800 lbs, Washington, Havre
COALTAR INTERMEDIATES—32,415 lbs, Siboney, Vera Cruz
CORN FLOUR—1,969 lbs, Musa, Amapala
SYRUP—2,100 lbs, San Jacinto, San Juan; 1,554 lbs, Pastores, Porto Barrios; 3,110 lbs, Sessa, Buenaventura; (Musa) 1,643 lbs, Callao; 420 lbs, Panama; (Ancon) 7,803 lbs, Callao; 15,391 lbs, Port Prince
DAMIANA LEAVES—1,192 lbs, American Merchant, London
DEXTRIN—1,410 lbs, Siboney, Vera Cruz
DIETHYLENEGLYCOL—24,345 lbs, California, Glasgow
DRUGS—5,025 lbs, American Merchant, London; 2,606 lbs, American Farmer, London
DYES—624 lbs, Washington, Hamburg; 2,264 lbs, Jean Jadot, Antwerp
ETHYL FLUID—1,100 gls, Balzac, Rio Janeiro; 3,025 gls, Neuenfels, Suez
FLUE DUST—52,410 lbs, Washington, Hamburg
FORMALDEHYDE — 5,246 lbs, Challenger, Lourenco Marques
GASOLINE—400 gls, Neuenfels, Suez
GLUCOSE—9,236 lbs, Laconia, Liverpool; 13,322 lbs, American Farmer, London; 1,310 lbs, Cypria, Lisbon
SOLID—383 lbs, San Jacinto, San Juan
GLUE—2,538 lbs, Challenger, Durban
GLYCERIN—638 lbs, Pastores, Porto Cortes; 1,276 lbs, Sessa, Callao
GRAPHITE—24,260 lbs, Siboney, Vera Cruz
GREASE, LUBRICATING—7,866 lbs, Washington, Hamburg; 4,910 lbs, Paraguayo, Montevideo; 468 lbs, Konigstein, Brussels; 21,355 lbs, Buenos Aires; 69,714 lbs, Scythia, Liverpool; (Tosan) 48,462 lbs, Yokohama; 11,101 lbs, Moji; 21,355 lbs, Balzac, Buenos Aires; 25,017 lbs, Laconia; Liverpool; 15,434 lbs, California, Glasgow; 17,565 lbs, Challenger, Mombasa; 9,120 lbs, American Farmer, London; (Cypria) 10,925 lbs, Benguela; 5,185 lbs, Casablanca; 4,848 lbs, Haiphong; 52,362 lbs, New York, Hamburg; 29,615 lbs, Santa Rosa, Porto Colombia; 8,480 lbs, Sessa, Valparaiso
INSECTICIDE, AGRIC—1,690 lbs, American Merchant, London
HOUSEHOLD—5,636 lbs, Washington, Hamburg; 5,040 lbs, Neuenfels, Suez
IODINE, CRUDE—1,633 lbs, American Farmer, London
IRON OXIDE—45,444 lbs, Laconia, Liverpool
LACQUER—1,567 lbs, Paraguayo, Santos; 9,587 lbs, Sessa, Valparaiso
THINNER—2,200 gls, Cypria, Oporto
LARD—6,300 lbs, Jean Jadot, Antwerp; 204,325 lbs, American Merchant, London; 107,466 lbs, Scythia, Liverpool; 96,060 lbs, Laconia, Liverpool; 4,988 lbs, California, Glasgow; 161,490 lbs, American Farmer, London; 22,000 lbs, Santa Rosa, La Guaira; 24,950 lbs, San Jacinto, San Juan; 15,668 lbs, Borinquen, Ciudad
LINSEED CAKE—1,906,642 lbs, Jean Jadot, Antwerp; 78,761 lbs, Konigstein, Rotterdam
MAGNESIA METAL—12,040 lbs, American Farmer, London
METHANOL—3,309 lbs, New York, Reykjavik
OIL, CASTOR—7,639 lbs, American Merchant, London
COALTAR—417 lbs, American Merchant, London
CORN—(Challenger) 3,880 lbs, Capetown; 4,950 lbs, Port Elizabeth; 4,011 lbs, East London; 3,300 lbs, Santa Rosa, Curacao
EDIBLE—6,961 lbs, Pastores, Porto Barrios; 10,695 lbs, Sessa, Buenaventura; 1,440 lbs, Musa, Amapala
FISH—2,425 lbs, San Jacinto, San Juan
LUBRICATING — (Washington) 6,855 gls, Hamburg; 7,014 gls, Havre; 3,575 gls, Jean Jadot, Antwerp; 7,600 gls, Paraguayo, Montevideo; 2,370 gls, London; (Konigstein) 1,370 gls, Rotterdam; 2,100 gls, Brussels; (Cubano) 13,350 gls, Rio de Janeiro; 1,155 gls, Rio Grande; 6,648 gls, Porto Alegre; (Balzac) 3,300 gls, Santos; 4,345 gls, Buenos Aires; 8,544 gls, Scythia, Liverpool; (Tosan) 41,900 gls, Yokahama; 220 gls, Moji; 2,750 gls, Kobe; 28,045 gls, Laconia, Liverpool; 27,500 gls, Thule, Buenos Aires; 420 gls, California, Glasgow; (Challenger) 8,010 gls, Durban; 1,100 gls, Tanga; 19,050 gls, Mombasa; 16,050 gls, Pastores, Tela; (Sessa) 1,485 gls, Guayaquil; 2,475 gls, Callao; 11,000 gls, Mollendo; 12,925 gls, Antofagasta; 3,545 gls, Coquimbo; 31,360 gls, Valparaiso; 1,650 gls, Iquique; 1,975 gls, Corral; 1,375 gls, Talcahuano (Ancon) 1,485 gls, Cartagena; 2,035 gls, Cristobal; (Santa Rosa) 14,795 gls, La Rosa; 5,280 gls, Porto Colombia; 2,200 gls, Siboney, Vera Cruz; 30,790 gls, American Farmer, London; (Neuenfels) 230 gls, Baghdad; 3,025 gls, Bahrein; (Cypria) 1,375 gls, Leixoes; 1,396 gls, Lisbon; 750 gls, Praia; 6,050 gls, Benguela; 6,875 gls, Casablanca; 1,734 gls, Marseilles, 3,850 gls, Haiphong; 76,900 gls, New York, Hamburg
OLEO—34,951 lbs, Jean Jadot, Antwerp
PEPPERMINT—3,600 lbs, American Trader, London
PINE—952 lbs, Paraguayo, Montevideo; 5,643 lbs, Laconia, Liverpool
SPEARMINT — 420 lbs, American Farmer, London
TRANSFORMER—6,150 gls, Balzac, Buenos Aires; 1,100 gls, Scythia, Liverpool
PAINT—2,728 lbs, American Merchant, London; 2,852 lbs, Challenger, Port Elizabeth; 2,963 lbs, San Jacinto, Mayaguez; (Pastores) 6,435 lbs, Tela; 2,459 lbs, Porto Cortes; (Sessa) 5,293 lbs, Buenaventura; 6,842 lbs, Callao
CREOSOTE—2,650 lbs, Pastores, Tela
THINNER—625 gls, Challenger, Mombasa
PARAFFIN—8,898 lbs, Konigstein, Rotterdam; 61,636 lbs, Scythia, Liverpool; 60,542 lbs, California, Glasgow; 45,200 lbs, Challenger, Port Elizabeth; 64,850 lbs, Platano, Buenaventura; 22,645 lbs, Santa Rosa, Cartagena; 131,265 lbs, Siboney, Vera Cruz; (Pastores) 30,302 lbs, Antigua; 5,562 lbs, Porto Barrios
SCALE—12,612 lbs, Konigstein, Rotterdam; 17,105 lbs, Cypria, Oporto
PETROLEUM, REFD—10,000 gls, Platano, Colon; (San Jacinto) 7,500 gls, San Juan; 6,000 gls, Mayaguez
PHARMACEUTICALS—10,380 lbs, American Merchant, London
POTASH BICHROMATE—2,657 lbs, Challenger, Port Elizabeth
RESIN—2,353 lbs, Challenger, Durban; 23,276 lbs, American Farmer, London
SYNTHETIC—1,071 lbs, Scythia, Liverpool
ROSIN—3,357 lbs, Laconia, Liverpool
RUBBER ACCELERATOR—16,380 lbs, Laconia, Liverpool
SOAP—13,440 lbs, San Jacinto, San Juan
SODA, ASH—624 lbs, Jean Jadot, Antwerp; 149,415 lbs, Cubano, Santos; 11,160 lbs, Yamabiko, Rio Janeiro; (Challenger) 2,398 lbs, Capetown; 5,220 lbs, Beira; 61,518 lbs, Siboney, Vera Cruz; 21,769 lbs, American Farmer, London
BICARBONATE—1,240 lbs, Pastores, Porto Cortes; 5,952 lbs, Musa, Mazatlan; 11,316 lbs, Santa Rosa, La Guaira
BICHROMATE—36,410 lbs, Balzac, Santos; 3,681 lbs, Challenger, Port Elizabeth
CAUSTIC — 21,592 lbs, Paraguayo, Santos; (Balzac) 245,986 lbs, Rio de Janeiro; 91,711 lbs, Santos; 110,250 lbs, Thule, Puerto Alegre; 3,210 lbs, Yamabiko, Rio de Janeiro; (Challenger) 5,065 lbs, Capetown; 4,815 lbs, Port Elizabeth; 46,800 lbs, Musa, Mazatlan; 17,963 lbs, Borinquen, Ciudad; 172,580 lbs, Siboney, Vera Cruz
CYANIDE—12,375 lbs, Sessa, Mollendo; 6,200 lbs, Ancon, La Union
NITRATE—27,000 lbs, Pastores, Tela
PHOSPHATE, TRI—11,550 lbs, New York, Belgrade
SILICATE—14,491 lbs, San Jacinto, San Juan
STARCH—4,230 lbs, Siboney, Vera Cruz
CORN—133 lbs, Musa, Panama; 460 lbs, Santa Rosa, Curacao
TALC—22,400 lbs, Scythia, Liverpool
TANNING MATERIAL—29,675 lbs, Paraguayo, Buenos Aires
TURPENTINE — 1,000 gls, Balzac, Rio de Janeiro
VARNISH—4,144 lbs, Challenger, Capetown
WITCH HAZEL EXTRACT—4,921 lbs, Washington, Havre
ZINC OXIDE—2,776 lbs, Washington, Havre

Baltimore Exports

Clearance Dates

City of Athens, August 8; Cold Harbor, August 6; Hammaren, August 5; Hokkai, August 5; Manchester Producer, August 5; Robin Hood, August 6; Vincent, August 3

ASPHALT, SOLID—404,517 lbs, Cold Harbor, Liverpool; 94 tons, Manchester Producer, Liverpool
CADMIUM LITHOPONE — 112 lbs, Vincent, Havre
CHEMICAL SPECIALTY—44,800 lbs, Manchester Producer, Manchester
CLEANER, DRY—1,108 lbs, Vincent, London
COPRA CAKE—100 tons, Vincent, Hamburg
CORN, SUGAR—91,350 lbs, Vincent, London
DEXTRIN—61,060 lbs, Cold Harbor, Manchester; 6,100 lbs, Robin Hood, Capetown
GREASE, LUBRIC—26,250 lbs, Vincent, Hamburg; 31,719 lbs, Hokkai, Osaka
INSECTICIDE—1,856 lbs, Vincent, London
METHYL CHLORIDE—25 lbs, Robin Hood, Tanga
OIL, LUBRIC — 84 bbls, Vincent, London; 8,142 gls, Hokkai, Osaka; 184 bbls, Cold Harbor, Glasgow
PARAFFIN—6,821 lbs, Vincent, Havre
POTASH MURIATE—200 lbs, Vincent, Mulhouse, France
RUTILE—24,000 lbs, Vincent, Hamburg; (Cold Harbor) 4,480 lbs, Liverpool; 11,200 lbs, Glasgow
SASSAFRAS CHIPS—1,180 lbs, Vincent, Havre
SODA, ALUMINATE — 13,248 lbs, Vincent, London
BICHROMATE—44,800 lbs, Manchester Producer, Manchester
CAUSTIC — 896,316 lbs, City of Athens, Shanghai
STARCH, CORN—744,480 lbs, Cold Harbor, Manchester
TANNING EXTRACT—16,031 lbs, Cold Harbor, Manchester
TITANIUM LITHOPONE — 1,600 lbs, Hammaren, Helsingfors

Boston Exports

Clearance Dates

American Trader, August 7; Iriona, August 5; Saint John, August 8; Tiradentes, August 8; Yarmouth, August 7

ACID, OXALIC—1 crtn, 10 lbs, Iriona, Coco Solo
ALUMINA SULPHATE—286 bgs, 50,050 lbs, Iriona, Cardenas
BLEACHING POWDER—1 crtn, 45 lbs, Iriona, Coco Solo
CEMENT, ROOF—8 crtns, 240 lbs, Yarmouth, St John, N B
COCOA BEANS—2,852 bgs, 404,984 lbs, Tiradentes, Amsterdam
CAKE—426 bgs, 73,035 lbs, Tiradentes, Amsterdam
DEXTRIN—10 bbls, 2,337 lbs, Iriona, Havana
DRESSING, SHOE—2 cs, 20 gls, 5 crtns, 550 lbs, Iriona, Havana
FLUX—15 bbls, 1,950 lbs, American Trader, London
GLASS, PLATE—1 crtn, 3 lbs, Iriona, Panama
GLUE, PHOTO-ENGRAVING—12 cs, 360 lbs, Tiradentes, Amsterdam
PITCH, MARINE—7 tins, 105 lbs, Saint John, Halifax, N S
INK, PRINTING—11 kits, 575 lbs, Iriona, Havana
WRITING—3 crtns, 91 lbs, Iriona, Panama
INSECT POWDER—1 bbl, 204 lbs, Yarmouth, St John, N B
INVALID'S FOOD—24 cs, 428 lbs, Iriona, Havana
LINING COMP—34 dms, 7,551 lbs, Tiradentes, Rotterdam
LOZENGES—2,000 crtns, 77,000 lbs, American Trader, London
MOLASSES—50 bbls, 2,750 gls, Tiradentes, Amsterdam
MUCILAGE—2 pkgs, 52 lbs, Iriona, Panama
OCHER—3 bbls, Iriona, Havana
PASTE, ADHES—2 pkgs, 80 lbs, Iriona, Panama
POLISH, SHOE—(Iriona) 46 crtns, 510 lbs, Panama; 3 cs, Havana
PRESERVATIVE COMP—1 dm, 100 lbs, Yarmouth, St John, N B
SOAP, POWDER—3 cs, 113 lbs, Iriona, Fort Davis
TAR—(Iriona) 4 cs, 100 lbs, Fort Randolph; 10 cs, 250 lbs, Fort Davis; 5 cs, 126 lbs, Fort de Lesseps
TOILET—(Iriona) 4 cs, 95 lbs, Fort Randolph; 5 cs, 118 lbs, Fort Davis; 5 cs, 118 lbs, Fort de Lesseps
SODA, SULPHATE—185 kgs, 75 bbls, 41,000 lbs, Iriona, Havana
TOILET PREPS—1 cs, 24 lbs, Iriona, Panama

Corpus Christi Exports

Clearance Dates

Alcides, July 31; Phoenix, July 30; Regina, August 3; Sunbeam, August 4

GASOLINE—72,026 bbls, Phoenix, foreign; 93,204 bbls, Alcides, foreign; 80,770 bbls, Sunbeam, foreign.
OIL, FUEL—54,415 bbls, Regina, foreign
PETROLEUM, CRUDE—44,381 bbls, Regina, foreign

Galveston Exports

Clearance Dates

Chr Sass, August 5; City of Omaha, August 6; Davisian, August 6; Kirsten Miles, August 6; Tillie Lykes, August 6; Uddeholm, August 8; Vigor, August 6

BLACK CARBON—146 cs, Uddeholm, Gdynia
MOLYBDENITE CONC—245 tons, City of Omaha, Antwerp
OIL, GAS—8,000 tons, Vigor, Avonmouth
POTASH—40 tons, Tillie Lykes, San Juan
SOAPSTOCK—17 tons, Davisian, Liverpool
SULPHUR—(Chr Sass) 1,000 tons, Quebec; 1,350 tons, Three Rivers; 4,350 tons, Montreal; (Kersten Miles) 2,000 tons, Tallin; 500 tons, Kotka; 500 tons, Mantyluoto; 1,000 tons, Wallvik; 31 tons, City of Omaha, Havre; 30 tons, Uddeholm, Copenhagen

Houston Exports

Clearance Dates

Acavus, August 2; Ancylus, August 1; Aquarius, August 5; Buccaneer, July 30; Cordelia, July 30; Eisenach, August 4; Glarona, July 30; Haughton Hall, August 3; President Herrenschmidt, July 30; San Adolfo, August 1; Sheherazade, August 4; Uddeholm, August 5; West Chatala, July 30; West Cobalt, August 2

ASPHALT—63 dms, West Chatala, Trieste; 15 tons, Eisenach, Hamburg
BLACK, CARBON—222 cs, West Chatala, Genoa. (West Cobalt) 2,644 bgs, 35 cs, Liverpool; 5,280 bgs, Manchester; (Haughton Hall) 12 cs, Karachi; 10 cs, Bombay; 10 cs, Madras; 73 cs, 158 bgs, Calcutta; 150 tons, Eisenach, Bremen; (Uddeholm) 100 cs, Gothenburg; 151 cs, Gdynia; 50 cs, Aquarius, Hamburg
GASOLINE—8,000 tons, Buccaneer, France; 8,000 tons, Ancylus, United Kingdom; 15,000 bbls, Cordelia, Montreal; 11,700 tons, Glarona, Glarona; 800 tons, Sheherazade, Havre
KEROSENE—3,500 tons, Ancylus, United Kingdom
OIL, GAS—10,600 tons, San Adolfo, United Kingdom; 4,500 tons, Acavus, Hamburg
LUBRICATING—(Haughton Hall) 205 dms, Alexandria; 113 dms, Calcutta; 15 bbls, Aquarius, Bremen-Hamburg
PETROLEUM, CRUDE—31,000 bbls, President Herrenschmidt, Antwerp; 75,000 bbls, Cordelia, Montreal; 17,500 tons, Sheherazade, Havre
SULPHUR—598 bgs, Haughton Hall, Calcutta

Lake Charles Exports

Clearance Date

Almeria Lykes, July 30

FIRECLAY—100 sx, 16 dms, Almeria Lykes, San Juan

Los Angeles Exports

Clearance Dates

Albertolite, July 29; Argyll, August 1; Atutasan, August 2; Bengalen, July 26; Benjamin Franklin, August 2; Brandanger, August 4; Brimanger, July 30; Capac, July 29; Dagmar Salem, August 3; Gertrude Kellogg, August 4; Hallaren, July 30; Hoegh Giant, July 29; Kimikawa, August 1; Kiyosumi, August 3; Montebello, August 2; Orion, August 2; Pacific Exporter, August 2; Pegasus, August 1; Rialto, August 1; S C T Dodd, August 7; Sysla, July 27; Tokai, July 29; Utacarbon, August 3; Vilja, August 6

ACID, BORIC—600 bgs, 67,200 lbs, Benjamin Franklin, London; 265 pkgs, 29,660 lbs, Kimikawa, Havana
HYDROCYANIC—6 cyls, 410 lbs, Capac, Mazatlan
STEARIC—120 lbs, Pacific Exporter, Vancouver
SULPHURIC—180 lbs, Capac, Amapala
AMYL ACETATE—10 dms, 3,940 lbs, Dagmar Salem, Hongkong
ASPHALT—461 bgs, 91,840 lbs, Atutasan, Yokohama
GILSONITE — 4,220 lbs, Dagmar Salem, Hongkong
LIQUID—32 dms, 32,740 lbs, Brandanger, Buenos Aires
BLACK, LAMP—530 lbs, Pacific Exporter, Vancouver
BORATE—4,202 bgs, 668,370 lbs, Tokai, Hamburg
BORAX—1,200 bgs, 134,400 lbs, Bengalen, Calcutta; 5,000 bgs, 560,000 lbs, Kiyosumi, Yokohama-Kobe-Osaka; 400 bgs, 44,800 lbs, Benjamin Franklin, London; 500 sx, 50,000 lbs, Kimikawa, Havana; 800 sx, 88,200 lbs, Dagmar Salem, Shanghai
CHEMICALS—900 lbs, Capac, Amapala
CLAY, FILTER—8,000 sx, 400,000 lbs, Brandanger, Buenos Aires
CLEANER—280 lbs, Rialto, Panama
COBALT ACETATE—450 lbs, Dagmar Salem, Hongkong
CREOSOTE—2,400 lbs, Dagmar Salem, Hongkong
DIACETONE—820 lbs, Dagmar Salem, Hongkong
DIETHYLENE OXIDE—1,840 lbs, Dagmar Salem, Hongkong
GASOLINE—1,000 cs, 725 dms, 285,930 lbs, Bengalen, Manila; 50,402 bbls, 13,154,920 lbs, Pegasus, Manila-Cebu; (Capac) 500 dms, 164,690 lbs, Mazatlan; 300 dms, 98,920 lbs, Amapala; 2,500 dms, 885,310 lbs, Puntarenas; 200 dms, 65,770 lbs, Buenaventura; 144 dms, 47,500 lbs, La Paz; 79,199 bbls, 20,670,940 lbs, Sysla, Thames Haven; 50 dms, 16,700 lbs, Argyll, Santa Rosalia; 52,246 bbls, 13,636,210 lbs, S C T Dodd, Vladivostok
GREASE, LUBRIC—120 lbs, Capac, Amapala
INFUSORIAL EARTH—400 bgs, 40,000 lbs, Capac, Mazatlan; (Brimanger) 66 bgs, 6,700 lbs, Rotterdam; 26 bgs, 2,570 lbs, Antwerp; (Rialto) 544 bgs, 55,220 lbs, Marseilles; 1,087 bgs, 110,330 lbs, Casablanca; 20 bgs, 2,020 lbs, Benjamin Franklin, Oslo
INSECTICIDE—1,390 lbs, Rialto, Alexandria
KEROSENE—41,678 bbls, 11,878,230 lbs, Pegasus, Manila-Cebu; (Bengalen) 5,000 cs, 425,000 lbs, Manila; 3,000 cs, 255,000 lbs, Penang; 12,946 bbls, 3,689,610 lbs, Utacarbon, Ioco
LACQUER—1,210 lbs, Kimikawa, Lima
THINNER—520 lbs, Capac, Arequipa; 9,080 lbs, Rialto, Cairo; 1,430 lbs, Kimikawa, Lima
LITHARGE—300 lbs, Capac, Amapala
MANGANESE DIOXIDE—1,100 lbs, Dagmar Salem, Hongkong
MOLYBDENUM, CONC—220 bgs, 2,218 lbs, Rialto, Marseilles
OIL, DIESEL—23,766 bbls, 7,411,870 lbs, Pegasus, Manila-Cebu; 34,393 bbls, 10,730,620 lbs, Hoegh Giant, Osaka; 85,482 bbls, 26,670,380 lbs, Orion, Curacao; 5,805 bbls, 182,520 lbs, Utacarbon, Vancouver; 108 dms, 42,430 lbs, Capac, Puntarenas; 52,411 bbls, 16,352,230 lbs, Vilja, Antofagasta-Valparaiso; 8,211 bbls, 2,561,830 lbs, Kiyosumi, Yokohama
FUEL—3,175 bbls, 10,575,410 lbs, Hoegh Giant, Osaka; 24,869 bbls, 8,281,380 lbs, Montebello, Vancouver; 23,369 bbls, 7,781,880 lbs, Argyll, Santa Rosalia; 49,187 bbls, 16,379,270 lbs, Gertrude Kellogg, Manila; 1,193 bbls, 37,220 lbs, Brandanger, Coquimbo
GRAPEFRUIT—6 cs, 300 lbs, Rialto, Haifa
LEMON, DIST—5,320 lbs, Benjamin Franklin, Liverpool
LUBRICATING—38 bbls, 14,740 lbs, Bengalen, Sourabaya
PAINT—1,290 lbs, Kimikawa, Lima
ALUMINUM—600 lbs, Dagmar Salem, Shanghai
THINNER—2,480 lbs, Bengalen, Madras
PETROLEUM, CRUDE—63,795 bbls, 19,904,040 lbs, Albertolite, Ioco; 49,667 bbls, 15,496,100 lbs, Montebello, Ioco
POTASH, MURIATE—11,000,000 lbs, Hallaren, St Johns
SIENNA, BURNT — 300 lbs, Dagmar Salem, Hongkong
SODA, ASH—(Bengalen) 500 bgs, 77,000 lbs, Sourabaya; 66 bgs, 13,350 lbs, Batavia; 141 bgs, 22,020 lbs, Palembang; 550 bgs, 65,670 lbs, Capac, Mazatlan
CAUSTIC—12 dms, 8,700 lbs, Capac, La Libertad
SILICATE—250 bgs, 37,500 lbs, Bengalen, Manila
SOLVENTS—200 dms, 66,640 lbs, Capac, Valparaiso
TOILET PREPS—2,840 lbs, Bengalen, Singapore
WAX, BEES—200 bgs, Dagmar Salem, Hongkong

Mobile Exports

Clearance Dates

Chemnitz, August 6; Corisco, August 9; Lindvangen, August 4; Uddeholm, August 1

BARYTES, GRD—600 tons, Lindvangen, Port of Spain
OIL, PINE—1 cs, Lindvangen, Puerto Cabello
ROSIN—(Lindvangen) 10 dms, Ciudad Trujillo; 50 dms, Carupana via Curacao; 100 dms, Chemnitz, Hamburg; 125 bbls, Corisco, Havana
GUM—25 bbls, Lindvangen, Ciudad Trujillo
WOOD—35 dms, Lindvangen, Puerto Cabello
TURPENTINE, GUM—60 cs, Corisco, Havana; 25 bbls, Uddeholm, Stockholm

New Orleans Exports

Clearance Dates

Alexandra Hoegh, August 12; Austvangen, July 30; Baja California, July 15, 29; Boschdijk, July 29; Ceiba, July 29; Ethan Allen, July 30; Gansfjord, July 25; Glaucus, July 29; Ida Z O, July 30; Lysefjord, July 14; Madrono, July 26; Meanticut, July 30; Nordvangen, July 19; Port Antonio, July 27; San Blas, July 29; Santa Marta, July 15; Sinaloa, July 22; Sixaola, July 19, 30; Tegucigalpa, July 28; Toloa, July 12; Ulua, July 26; West Chatala, July 23; Yoro, July 21

ASPHALT—50 dms, Port Antonio, Kingston; 20 tons, Boschdijk, London
CRUDE—61 tons, Ethan Allen, Havre
BAKING POWDER—2 tons, Sinaloa, Belize; 2 tons, Toloa, Tela
BLACK CARBON — 50 tons, Ethan Allen, Havre; 280 sx, 80 cs, Ida Z O, Genoa; 14 tons, Meanticut, Glasgow; 11 tons, Boschdijk, London; (Glaucus) 20 cs, Singapore; 1,320 sx, 15 cs, Batavia; 10 cs, Sourabaya; 45 cs, Port Swettenham; 11 cs, Sixaola, Valparaiso
BLUE VITRIOL—10,000 sx, Baja California, Tela
CHARCOAL—4 tons, Sixaola, Antofagasta
ANIMAL—1 ton, Ethan Allen, Havre
CLAY—5 tons, Ethan Allen, Havre
GROUND—(Meanticut) 10 tons, Avonmouth; 44 tons, Glasgow
COCOA WASTE—20 tons, Boschdijk, Amsterdam
CORN FLOUR—(Meanticut) 14 tons, Dublin; 13 tons, Dublin-Belfast
SYRUP—47 tons, Meanticut, Glasgow
DISTILLATE—150 dms, Yoro, Ceiba
FERTILIZER—20 sx, Port Antonio, Kingston; 16 sx, Santa Marta, Cristobal
FIRECLAY—(Santa Marta) 25 dms, Panama; 10 dms, Buenaventura; 154 tons, Port Antonio, Cartagena; 58 tons, Sixaola, Havana
FULLERS' EARTH—50 sx, Sixaola, Havana
GASOLINE—(Sinaloa) 30 dms, Bluefields; 600 dms, 301 cs, 100 bbls, Belize; 400 dms, San Blas, Puerto Barrios; 100 cs, 248 dms, Baja California, Bluefields
GLUCOSE—55 tons, Meanticut, Dublin-Belfast; 15 bbls, Sixaola, Panama City
GREASE, LUBRICATING—10 dms, 64 ctns, Sinaloa, Belize; 29 tons, Boschdijk, Rotterdam; 4 dms, 3 ctns, Glaucus, Singapore; 6 dms, 5 hlf dms, 15 qtr dms, Sixaola, Havana
INSECTICIDE—1 ton, Sixaola, Panama City
KEROSENE—(Santa Marta) 500 cs, Bocas del Toro; 75 cs, Puerto Limon; 65 dms, Sixaola, Puerto Barrios; (Sinaloa) 5 dms, Bluefields; 380 cs, 350 dms, Belize; (Toloa) 900 cs, 55 dms, Puerto Barrios; 300 cs, Tela; 25 cs, Gansfjord, Kingston; 50 dms, 100 cs, Ulua, Tela; (Nordvangen) 300 cs Port au Prince; 150 cs, Willemstad; 15 dms, 130 cs, Baja California, Bluefields
LARD—(Lysefjord) 550 dms, Santiago; 1,000 tins, Puerto Colombo; (Santa Marta) 275 dms, 876 tins, Havana; 310 tins, 8 cs, Panama; 600 tins, Puerto Limon; 16 crts, Sinaloa, Belize; 400 tins, San Blas, Puerto Barrios; 20 tins, 10 crts, 348 dms, Gansfjord, Santiago; 300 dms, 200 tins, Port Antonio, Santiago; (Nordvangen) 300 tins, 50 cs, Port au Prince; 100 tins, Puerto Cabello; 200 tins, La Guaira; (Sixaola) 39 crts, 900 tins, 1,300 dms, Havana; 100 tins, Puntarenas; 1,200 tins, Puerto Limon; 50 tins, Guayaquil
MEDICINAL PREPS—41 cs, Nordvangen, La Guaira
MOLASSES, BLACK STRAP—860 tons, Ida Z O, Genoa
MORTAR—25 dms, Nordvangen, Puerto Cabello; 1 ton, Sixaola, Panama
OIL, EDIBLE—23 dms, 6 crts, Santa Marta, Havana
ENGINE—15 tons, Boschdijk, Rotterdam
FUEL—230 dms, Sixaola, Puerto Barrios; 80 dms, Sinaloa, Belize; 25 dms, San Blas, Livingston; 60 dms, Baja California, Bluefields; 900 bbls, Austvangen, Moengo
LUBRICATING—(West Chatala) 50 pkgs, Piraeus; 17 bbls, Venice; (Ethan Allen) 35 tons, Havre; 9 tons, Antwerp; (Ida Z O) 65 dms, Oran; 119 bbls, 91 dms, Algiers; 199 bbls, Genoa; 150 dms, Naples; 138 bbls, Marseilles; 16 tons, Meanticut, Glasgow; (Sixaola) 10 dms, Tela; 10 dms, Havana; 6 dms, Mollendo; 69 dms, 40 cs, 22 ctns, Sinaloa, Belize; 12 dms, 5 cs, San Blas, Puerto Barrios; (Boschdijk) 39 tons, Antwerp; 30 tons, Amsterdam; (Glaucus) 48 cs, Singapore; 45 dms, Sourabaya; (Nordvangen) 53 dms, 120 crts, 165 ctns, Willemstad; 243 dms, 350 crts, 500 ctns, Puerto Cabello; 340 dms, 95 crts, 300 ctns, La Guaira; 65 dms, Ceiba, Alvaro Obregon
MOTOR—2 tons, Santa Marta, Panama City
OLIVE—150 cs, Gansfjord, Santiago
PINE—1 ton, Boschdijk, Antwerp; 55 dms, Port Antonio, Santiago; 10 dms, Tegucigalpa, Vera Cruz
REFINED—15 dms, Lysefjord, La Libertad; 151 cs, 30 dms, Sinaloa, Belize
VEGETABLE—18 dms, Sixaola, Havana
PAINT—1 ton, Santa Marta, Bocas del Toro
PARAFFIN—25 tons, Boschdijk, London; 54 tons, Meanticut, Avonmouth
PETROLATUM—17 tons, Boschdijk, Antwerp
PETROLEUM, CRUDE—2,202 tons, Madrono, Zeebrugge and/or Antwerp; 3,150 tons, Alexandra Hoegh, Trieste
PINETAR—3 dms, Austvangen, Georgetown
ROSIN—140 dms, Lysefjord, Cartagena; (Santa Marta) 15 dms, Puerto Limon; 65 dms, Buenaventura; 23 tons, Meanticut, Glasgow; (Glaucus) 125 dms, Singapore; 125 dms, Batavia; 170 dms, Semarang; 100 dms, Sourabaya; 10 dms, Menado; (Port Antonio) 20 dms, Puerto Colombia; 80 dms, Cartagena; (Sixaola) 90 dms, Buenaventura; 480 dms, Valparaiso
GUM—40 dms, Sixaola, Arica
WOOD—(Sixaola) 10 dms, Puerto Barrios; 15 dms, Puerto Limon
SALT—(Sixaola) 2 tons, Puerto Barrios; 60 tons, Havana; 78 tons, Cristobal; 30 tons, Santa Marta, Havana; (Sinaloa) 2 tons, Bluefields; 44 tons, Belize; 3 tons, San Blas, Puerto Barrios; 3 tons, Baja California, Bluefields
TABLE—230 sx, Nordvangen, Ciudad Trujillo
SHRIMP MEAL—15 sx, Santa Marta, Cristobal
SOAP—1 ton, Santa Marta, Panama; 8 tons, Sinaloa, Bluefields
SOAPSTOCK, COTTONSEED—4 tons, Boschdijk, London
SOYBEAN MEAL—350 sx, Austvangen, Bridgetown
STARCH—10 tons, Sixaola, Havana
CORN—65 tons, Boschdijk, London
TURPENTINE—20 dms, Glaucus, Singapore; 65 dms, Sixaola, Havana

Norfolk Exports

Clearance Dates

Black Heron, August 8; Tai Ping Yang, August 1

POTASH MURIATE—100 bgs, 22,200 lbs, Black Heron, Rotterdam
STARCH, CORN—440 bgs, Tai Ping Yang, Manila
WAX—3 dms, Tai Ping Yang, Manila

Philadelphia Exports

Clearance Dates

Anita, August 5; Balfe, August 5; Black Osprey, August 12; Capulin, August 8; City of Birmingham, August 9; Exchange, August 10; Hammaren, August 8; Ingria, August 6; Kellerwald, August 11; Kyusyu, August 12; New Columbia, August 9; Port Caroline, August 10; Scanstates, August 6; Vaclite, August 9; Vermont, August 9; West Calumb, August 12

ACETATE, BUTYL—37 dms, Port Caroline, Sydney, Australia
ACID, PHOSPHORIC—15 pkgs, Black Osprey, Antwerp
ANTI-FREEZE—16 crtns, Hammaren, Stockholm
ANTI-KNOCK COMP—10 dms, Ingria, Marseilles
ASPHALT, PETROLEUM—(Port Caroline) 6 dms, Sydney; 45 dms, Melbourne
ROOF—600 rolls, City of Birmingham, Calcutta
BARYTES—17 cks, Port Caroline, Sydney
BLACK, LAMP—3 cs, Port Caroline, Sydney
BONE—10 bgs, Scanstates, Gothenburg; 3 dms, Port Caroline, Sydney
CHEMICAL COMP—14 cs, City of Birmingham, Bombay; 12 cs, Colombo
CHEMICALS, LIG—1 bx, Port Caroline, Sydney, Australia
CLEANER, BOILER—10 bbls, City of Birmingham, Rangoon
COMPOSITION—1 crtn, Exchange, Istanbul; 3 crtns, Vermont, Colon
TEXTILE, POWD—1 bbl, City of Birmingham, Bombay
COCOA, CAKE—1,055 pkgs, Black Osprey, Amsterdam
WASTE—332 pkgs, Black Osprey, Amsterdam
CYANIDE, CRUDE—10 dms, Port Caroline, Sydney
DYESTUFFS—9 pkgs, Black Osprey, Antwerp
DYEWOOD EXTRACT—20 pkgs, Black Osprey, Antwerp
ETHYL FLUID—10 dms, Capulin, Hamburg
GASOLINE—(Balfe) 100 dms, Para; 500 cs, Maceio; 500 cs, 100 dms, Maranhao; 1,000 cs, 500 dms, Ceara; (New Columbia) 3,300 cs, Dakar; 1,500 cs, Conakry; 1,100 cs, 30 dms, Sierra Leone; 100 cs, Monrovia; 2,000 cs, Cape Coast; 500 cs, Port Bouet; 6,850 cs, Abidijan; 50 dms, Takoradi; 2,000 cs, Cape Coast; 5,020 cs, Saltpond; 180 cs, 25 dms, Accra; 600 cs, Lome; 3,500 cs, Port Harcourt; 4,010 cs, Lagos; 2,950 cs, 25 dms, Duala; 1 bbl, Kellerwald, Hamburg; 1 pkg, Black Osprey, Rotterdam
GREASE—(Balfe) 15 cs, 7 bbls, 10 bckts, Maceio; 20 bbls, Pernambuco; 25 dms, West Calumb, Montevideo
LUBRICATING—(Hammaren) 5 dms, 1 bx, Stockholm; 2 bxs, Helsingfors; 30 bbls, 20 dms, 40 cs, Ingria, Lisbon; (Scanstates) 68 pkgs, 2 dms, Gothenburg; 2 half dms, 5 dms, 71 cs, Helsingfors; 5 dms, Port Caroline, Sydney; 21 pkgs, Black Osprey, Antwerp; 2 pls, 1 dm, City of Birmingham, Bombay; 60 qtr dms, City of Birmingham, Karachi
GYPSUM—1 bx, West Calumb, Rio de Janeiro; 10 dms, Vermont, Amapala
INSECTICIDE—(Ingria) 15 cs, Lisbon; 4 cs, San Thome; 20 cs, New Columbia; Apapa Wharf; 7 dms, Port Caroline, Melbourne; 72 pkgs, Exchange, Istanbul; (Vermont) 1 crtn, Colon; 20 crtns, Panama
KEROSENE—(Balfe) 1,000 cs, Para; 4,000 cs, Bahia; 3,500 cs, Maceio; 1,000 cs, Maranhao; 5,000 cs, Ceara
LACQUER THINNER—3 crtns, Vermont, Cristobal
LICORICE PASTE—5 cs, Port Caroline, Sydney; 40 pkgs, Black Osprey, Antwerp; 10 cs, West Calumb, Rio de Janeiro
LITHOPONE TITANIUM—20 bbls, Capulin, Leith
MANGANESE ORE, CONC—11 bbls, City of Birmingham, Bombay
MEDICINES, HOMEOPATHIC—(City of Birmingham) 3 cs, Karachi; 6 cs, Calcutta
NAPHTHALENE FLAKES—110 bgs, Vermont, Puerto Colombia
OIL—8 pkgs, Black Osprey, Antwerp
CYLINDER—130 bbls, Hammaren, Stockholm; 5 dms, Balfe, Iquitos
FUEL—(New Columbia) 25 dms, Conakry; 25 dms, Abidijan
ILLUMINATING—40 bbls, Scanstates, Copenhagen; (New Columbia) 250 cs, Santa Isabel; 500 cs, Conakry; 100 cs, Sierra Leone; 600 cs, Freetown; 1,000 cs, Sherboro; 300 cs, Monrovia; 250 cs, Cape Coast; 875 cs, Port Bouet; 100 cs, Abidijan; 400 cs, Takoradi; 750 cs, Saltpond; 90 cs, Accra; 600 cs, Lome; 1,500 cs, Port Harcourt; 500 cs, Lagos; 2,000 cs, Calabar; 2,000 cs, Duala; 386 bbls, Vaclite, Liverpool
LUBRICATING—(Hammaren) 19 dms, 1 cn, 1 bx, Stockholm; 10 dms, Helsingfors; (Ingria) 310 bbls, 250 cs, 1,200 crtns, Lisbon; 7 cs, San Thome; 30 dms, 10 cs, Loanda; 5 dms, 25 cs, Mossamedes; 30 cs, Lobito; 90 dms, 30 pkgs, 125 cs, Casablanca; 70 cs, 20 dms, Marseilles; 10 dms, 95 cs, Haiphong; 5 dms, Tunis; 15 dms, Oran; 5 dms, Bona; 5 dms, Algiers; (Scanstates) 18 dms, 3 crtns, 2 bxs, 9 dms, Gothenburg; 65 dms, 10 bbls, Copenhagen; 164 bbls, Gdynia; 41 bbls, Stockholm; 71 hlf dms, 23 qtr dms, 35 dms, 240 cs, 70 cs, Helsingfors; (Balfe) 247 dms, 30 cs, Maceio; 13 cs, 85 dms, Pernambuco; 150 cs, 20 dms, Brazil; 19 dms, Iquitos; (Anita) 15 bbls, Buenos Aires; 1,907 cs, 106 bbls, 60 dms, Santos; 65 dms, Capulin, London; (New Columbia) 40 cs, Santa Isabel; 15 cs, 15 dms, Dakar; 1 cs, Conakry; 10 dms, 20 cs, Sierra Leone; 55 dms, Monrovia; 5 dms, Cape Coast; 5 dms, Saltpond; 180 dms, 30 cs, Accra; 60 cs, Grand Bassam; 150 dms, 150 cs, Port Bouet; 10 dms, 27 cs, Lome; 30 dms, Calabar; 100 dms, 70 cs, Lagos; 76 dms, Warri; 15 cs, Sapele; 39 dms, Burutu; 50 cs, Port Harcourt; 10 dms, Cotonou; 85 cs, Calabar; 25 dms, Duala; 50 cs, Bamako; (Vaclite) 6,306 bbls, Liverpool; 24,381 bbls, Bremen; 429 bbls, Budapest; 1,890 bbls, Prague; 1,121 bbls, Zagreb; 3,945 pkgs, Kellerwald, Hamburg; (Port Caroline) 1,033 pkgs, 30 dms, 1 cn, Sydney; 309 pkgs, Brisbane; 561 pkgs, 10 dms, Adelaide; 1,176 pkgs, 815 dms, 2 bxs, 3 cs, Melbourne; 10 dms, Launceston; 11 dms, Rockhampton; 20 dms, Cairns; 37 dms, Townsville; 15 dms, Hobart; 5 dms, Newcastle; (West Calumb) 540 dms, Montevideo; (Exchange) 55 dms, Piraeus; 54 dms, Salonica; 4 crtns, Vermont, Colon; (Black Osprey) 120 pkgs, Rotterdam; 19 pkgs, Antwerp; (City of Birmingham) 1 cs, Alexandria; 95 dms, Karachi; 494 dms, 34 cs, Bombay; 45 dms, Madras; 150 dms, Calcutta; 126 dms, 140 pls, Rangoon; 295 dms, 65 cs, Colombo; 430 dms, Karachi; 1,160 dms, 50 cs, Bombay; 70 cs, Khoramsheker; 65 dms, Port Said; 275 cs, 124 dms, Basra; 423 dms, Kyusyu, Yokohama
REFINED—80 bbls, Ingria, Lisbon; 15 dms, Balfe, Maceio; 20 bxs, Vermont, Cristobal
OIL, TEXTILE SOFTENING—10 dms, City of Birmingham, Bombay
TRANSFORMER—20 cs, 2 dms, Balfe, Maceio
PAINT—10 pails, Hammaren, Stockholm
LIQUID—(Hammaren) 9 cartons, 5 kts, Malmo; 4 cartons, Stockholm
PARAFFIN—350 pkgs, Kellerwald Hamburg; (Vermont) 80 bgs, Arica; 550 bgs, Guayaquil; 84 pkgs, Black Osprey, Antwerp
REFINED—20 bgs, Hammaren, Oslo
PETROLATUM—114,020 lbs, Vaclite, Liverpool 45 dms, 3 bbls (Port Caroline) Sydney; 35 dms, Melbourne; 10 dms, Adelaide
PETROLEUM—10 dms, Port Caroline, Brisbane
PLASTIC—50 dms, Capulin, London
POLISH—5 pkgs, Kellerwald, Hamburg
AUTOMOBILE — 10 cartons, Hammaren, Stockholm; 2 cs, City of Birmingham, Bombay
FURNITURE—(Vermont) 15 cartons, Colon; 42 cartons, Panama
SHOE—1 carton, Vermont, Corozal
RESIN, COALTAR—4 dms, Scanstates, Gothenburg
ROCK CRYSTAL—10 cs, Capulin, London
SODA, ASH—1 box, Port Caroline, Melbourne; 8 bbls, Vermont, San Jose; 1 dm, City of Birmingham, Bombay
SOLVENT—85 dms, Anita, Buenos Aires
COALTAR—1 dm, Anita, Buenos Aires
TANNING EXTRACT, DRY—7 bbls, Port Caroline, Sydney
MATERIAL—20 bbls, Port Caroline, Sydney; 50 dms, Melbourne
VARNISH—(Port Caroline) 3 cs, Sydney; 1 bx, Melbourne
WAX—9 bbls, 40 bgs, Hammaren, Malmo; 1,000 bgs, Ingria, Casablanca; 84 bbls, Scanstates, Stockholm
POLISHING—10 cartons, Hammaren, Stockholm
REFINED—(Ingria) 300 bgs, Lisbon; 300 bgs, Leixoes; 10 bgs, Scanstates, Gothenburg

Port Arthur Exports

Clearance Dates

Barbro, August 4; Benedick, August 2; Duquesne, July 31; Gylfe, August 5; Katrine Maersk, July 31; Magister, August 5; Nueva Granada, August 6; Nyholm, August 7; South America, August 3; Teesbank, August 9; Teviotbank, August 4

ASPHALT—210 dms, 3 bbls, South America, Amsterdam; (Teviotbank) 1,396 dms, Sydney; 6,150 dms, Hobart; 3,005 dms, Adelaide; (Magister) 1 bx, Port au Prince; 525 dms, Puerto Limon; 260 dms, Nueva Granada, Antwerp; (Teesbank) 5 dms, Lourenco Marques; 1,002 dms, Beira; 525 dms, Capetown; 5 dms, Durban
LIQUID—(Magister) 45 dms, Cartagena; 1 bx, San Pedro de Macoris; 2 bxs, Ciudad Trujillo; 3 bxs, Puerto Barrios; 4 cs, Port au Prince; (Teesbank) 3 cs, Port Elizabeth; 14 cs, East London; 65 cs, Durban
PETROLEUM—(Duquesne) 250 dms, 641 bbls, Liverpool; 1,055 dms, 3,574 bbls, 573 dms, 330 cns, Manchester; 1 bx, Nueva Granada, Antwerp
SOLID—(Magister) 1,297 dms, Cartagena; 6 dms, 2 cs, Cristobal; 3 dms, Ciudad Trujillo; 3 cs, Port au Prince
CLEANER—(Teesbank) 25 cs, Lourenco Marques; 20 cs, Capetown; 10 cs, East London
GASOLINE—47,628 bbls, Katrine Maersk, Bilbao; 37,144 bbls, South America, Amsterdam; (Magister) 1,000 bbls, Vera Cruz; 350 bbls, Barranquilla; 200 dms, 200 bbls, Cristobal; 300 bbls, Kingston; 200 cs, Puerto Plata; 150 bbls, Puerto Barrios; 100 cs, St Marc; 500 bbls, 200 dms, Puerto Limon; (Nueva Granada) 86,550 bbls, Antwerp; 21,439 bbls, White Booth Roads; 56 dms, 700 cs, Teesbank, Capetown
AVIATION — 900 bbls, Magister, Port au Prince
GREASE, LUBRICATING—225 ctgs, 50 pls, Duquesne, Manchester; 155 dms, 425 cs, South America, Amsterdam; (Teviotbank) 25 dms, Brisbane; 15 dms, Sydney; 50 dms, Melbourne; 63 cs, Adelaide; (Magister) 19 dms, Barranquilla; 17 dms, 2 cs, Cristobal; 15 cs, Sanchez; 5 dms, 32 cs, Ciudad Trujillo; 15 cs, Monte Cristo; 2 dms, Puerto Plata; 39 dms, 4 cs, Puerto Barrios; 2 cs, Cape Haitien; 4 dms, Fort Liberte; 7 dms, 22 cs, Port au Prince; 8 cs, 30 pls, Puerto Limon; 178 dms, 30 wd bbls, 70 cs, Nueva Granada, Antwerp; (Teesbank) 150 dms, 445 cs, Lourenco Marques; 35 cs, Beira; 275 dms, 391 cs, 550 pls, Capetown; 100 dms, 51 cs, Port Elizabeth; 75 dms, 1 cs, East London; 324 dms, 210 cs, Durban
KEROSENE—40 dms, Duquesne, Manchester; 15,729 bbls, South America, Amsterdam; (Magister) 1,000 cs, 40 bbls, Cristobal; 800 cs, Sanchez; 1,000 cs, San Pedro de Macoris; 2,035 cs, Ciudad Trujillo; 800 cs, Monte Cristo; 500 cs, Puerto Plata; 670 cs, Cape Haitien; 700 cs, St Marc; 75 bbls, Fort Liberte; 2,000 cs, Port au Prince; 150 cs, Teesbank, Port Elizabeth
OIL, FUEL—22,220 bbls, Barbro, Vigo and/or Pasages; 20 bbls, Magister, Ciudad Trujillo
DIESEL—1,643 bbls, South America, Amsterdam; 100 dms, Magister, Puerto Barrios; 3,809 bbls, Nueva Granada, White Booth Roads; (Teesbank) 1,250 dms, Port Elizabeth; 1,199 bbls, bulk, Beira
GAS—44,180 bbls, Barbro, Vigo and/or Pasages; 67,136 bbls, Gylfe, Ertvelde
LUBRICATING—16,290 bbls, Katrine Maersk, Bilbao; 414 dms, 200 ctgs, 125 cs, 35 bbls, Duquesne, Manchester; 60 bbls, 81 dms, 140 cs, South America, Amsterdam; (Teviotbank) 255 dms, Brisbane; 105 dms, Sydney; 470 dms, Melbourne; 150 dms, Adelaide; (Magister) 45 dms, 10 cs, Barranquilla; 53 dms, Cristobal; 25 dms, Kingston; 10 cs, Sanchez; 3 dms, 12 cs, San Pedro de Macoris; 87 dms, 65 cs, Ciudad Trujillo; 20 cs, Monte Cristo; 28 dms, 7 cs, Puerto Plata; 85 dms, 32 cs, Puerto Barrios; 23 dms, 2 cs, Cape Haitien; 6 dms, St Marc; 10 dms, Fort Liberte; 32 dms, 21 cs, Port au Prince; 60 dms, Nueva Granada, Antwerp; (Teesbank) 440 dms, 4,565 cs, Lourenco Marques; 625 dms, 310 cs, Beira; 390 dms, 233 cs, Capetown; 115 dms, 520 cs, Port Elizabeth; 430 dms, 390 cs, East London; 1,895 dms, 1,680 cs, Durban
PAINT—2 dms, Magister, Port au Prince
PREPARED—(Teviotbank) 10 dms, Brisbane; 30 dms, Sydney; 25 dms, Melbourne; 8 dms, Adelaide; 1 cs, Nueva Granada, Antwerp
SOLVENT—10 dms, Teviotbank, Brisbane; (Teesbank) 50 dms, 50 cs, Lourenco Marques; 700 dms, Durban
PARAFFIN—15 bgs, Magister, Ciudad Trujillo
PETROLEUM, CRUDE—78,889 bbls, Benedick, Bordeaux; 43,481 bbls, Nyholm, Bari
WAX—(Magister) 2 bgs, Cape Haitien; 7 bgs, Port au Prince

San Francisco Exports

Clearance Dates

Hauraki, July 18; La Placentia, July 19; Mariposa, July 18; Norne, July 21; Pacific Grove, July 20; Peter Lassen, July 21; Rakuyo, July 21; Rikko, July 22; San Cle-

mente, July 20; Silverbeech, July 22; South Africa, July 22

ACETONE—189 dms, Hauraki, Melbourne
ACID, BORIC—20 sks, Hauraki, Auckland; 80 sks, Mariposa, Australia
INORGANIC—1 cs, Hauraki, Auckland
ALCOHOL—2 cs, Hauraki, Papeete
ALLYL—1 cs, Hauraki, Melbourne
AMMONIA, ANHYDR—30 cyls, Silverbeech, Singapore
CARBONATE—1 cs, Hauraki, Papeete
ANTISEPTIC—12 cs, Mariposa, Australia
ASPHALT—194 dms, Hauraki, Papeete; (Mariposa) 36 dms, Australia; 6 dms, New Zealand; 172 bbls, La Placentia, Vancouver; (Silverbeech) 160 dms, Manila; 532 dms, Madras; 1,825 dms, Singapore-Port Swettenham-Penang; 3,600 dms, Bombay
GILSONITE—100 sks, Mariposa, Australia
BENZOIN—(Hauraki) 1 dm, Dunedin; 15 dms, Sydney; 40 dms, Melbourne; 5 dms, Norne, Noumea
BIOLOGICALS—1 cs, Silverbeech, Singapore
VETERINARY—(Silverbeech) 1 cs, Singapore; 2 cs, Philippine Islands
BLACK, CARBON—2 cs, Hauraki, Wellington
BLEACHING POWDER—1 cs, Hauraki, New Zealand
BORAX—60 sks, Mariposa, Australia
BRONZE POWDER—1 cs, Hauraki, Papeete
CALCIMINE—18 kgs, Mariposa, New Zealand; 2 kgs, Silverbeech, Manila
CALCIUM GLUCONATE — 1 cs, Silverbeech, Manila
CAULKING COMP—9 pls, Mariposa, Australia
CEMENT, LIQ—1 dm, Hauraki, Dunedin
PLASTIC—1 cs, Hauraki, Dunedin; 1 bbl, Mariposa, Australia
ROOF—8 cs, Silverbeech, Singapore
CHARCOAL, ANIMAL—10 sks, Mariposa, Australia
CHEMICALS—1 pkg, Mariposa, New Zealand
CHLORINE BLEACH, LIQ—6 cs, Hauraki, Papeete
CHLORINE—11 cyls, Norne, Tutuila
CLEANER—(Hauraki) 3 cs, Wellington; 1 cs, Papeete; 1 cs, Mariposa, Suva
COALTAR—1 cs, 1 dm, Hauraki, Papeete
COLLODION—2 cs, Hauraki, Auckland
COLORS, DRY—3 cs, Mariposa, Australia
DENTIFRICES—4 cs, Mariposa, Australia; (Silverbeech) 21 cs, Belawan; 1 cs, Singapore
DISINFECTANT, HOUSEHOLD—4 dms, Hauraki, Wellington
DRUGS—Mariposa) 1 cs, New Guinea; 6 cs, Australia; 3 cs, Fiji Islands; 1 cs, Samoa; 1 cs, Norne, Lae; (Silverbeech) 8 cs, Singapore; 20 cs, Manila; 8 cs, Bombay; 2 cs, Madras
DYESTUFF—7 dms, Silverbeech, Manila
FLAVORING EXTRACT — 1 kg, Mariposa, Australia
FLY SPRAY—10 cs, Silverbeech, Madras
GASOLINE—(Hauraki) 4 dms, Apia; 150 cs, 192 dms, Papeete; (Norne) 100 cs, 29 dms, Pago Pago; 672 dms, 100 cs, Apia; 850 dms, 4,700 cs, Noumea; 476 dms, Tutuila; 2,000 cs, Suva; 1,500 cs, Levuka; 200 cs, Lautoka; 750 dms, 3,000 cs, Rabaul; 245 dms, 1,000 cs, Salamaua; 300 dms, 500 cs, Lae; 700 cs, Samarai; 465 dms, 2,000 cs, Port Moresby; 113,186 bbls, South Africa, Wellington-Auckland-Dunedin; 2,700 bbls, Rikko, Tsurumi; 26,000 bbls, San Clemente, Japan
GLUCOSE—330 bbls, Mariposa, New Zealand
GLUE—1 cs, Hauraki, Papeete
GREASE, AXLE—2 cs, Hauraki, Papeete
CUP—1 cs, Hauraki, Papeete
LUBRICATING—(Hauraki) 5 dms, 1 bbl, Wellington; 3 cs, Papeete; (Mariposa) 5 dms, New Zealand; 107 cs, 3 dms, 1 half dm, 30 qtr dms, 251 pls, La Placentia, Vancouver; (Silverbeech) 6 dms, Samarang-Sourabaya; 1 cs, Singapore; 5 pls, 3 dms, Singapore-Port Swettenham-Penang; 51 dms, Fremantle
HOPS—3 cs, Hauraki, Papeete
HYDROGEN PEROXIDE—36 cs, Mariposa, New Zealand
INK—1 cs, Mariposa, Samoa
PRINTING—3 cs, Silverbeech, Bombay
INSECTICIDE — (Mariposa) 1 cs, Tongan Islands; 7 cs, Fiji Islands
KEROSENE—(Hauraki) 45 dms, Auckland; 470 cs, Papeete; 23 dms, Norne, Apia
LACQUER—(Hauraki) 12 cs, Christchurch; 23 cs, 1 pl, Wellington; 11 cs, Mariposa, New Zealand; 28 cs, Silverbeech, Manila
REMOVER—1 cs, Mariposa, New Zealand
LEAD, ARSENATE—(Hauraki) 332 cs, Wellington; 25 cs, Dunedin
RED, DRY—(Silverbeech) 450 kgs, Cebu; 500 kgs, Manila
WHITE—400 kgs, Silverbeech, Manila
WHITE, IN OIL—(Silverbeech) 300 kgs, Cebu; 50 kgs, Iloilo; 600 kgs, Man.'a
LIMESTONE, POWDERED—7 sks, Peter Lassen, Puerto Armuelles
MEDICINAL PREPS—1 cs, Hauraki, Papeete; (Mariposa) 5 cs, Australia; 1 cs, Fiji Islands; 8 cs, New Zealand
MILK POWDER—278 bbls, Pacific Grove, Manchester
MINERAL SPTS—200 dms, Hauraki, Wellington
NAPHTHA—(Hauraki) 10 dms, Auckland; 1 dm, Sydney; 1 dm, Melbourne; 150 dms, La Placentia, Vancouver
OIL, CASTOR—2 cs, Norne, Apia; 1 cs, Hauraki, Auckland
CHINAWOOD—6 dms, Rakuyo, Manzanillo
COCONUT—15 bbls, Mariposa, New Zealand
DIESEL—35,000 bbls, La Placentia, Vancouver; 1,315 bbls, Peter Lassen, Puerto Armuelles; (Norne) 1,170 bbls, Apia-Suva-Levuka-Lautoka-Rabaul-Lae-Samarai-Port Moresby-Salamaua; 650 dms, Suva
FUEL—40,000 bbls, La Placentia, Vancouver
LINSEED—2 cs, 3 kgs, 1 dm, Hauraki, Papeete; 1 dm, Silverbeech, Manila
LUBRICATING—(Hauraki) 50 dms, Dunedin; 5 dms, Apia; 220 dms, Sydney; 165 dms, Melbourne; 6 dms, 7 cs, Papeete; 202 dms, Mariposa, Australia; 40 cs, 234 dms, La Placentia, Vancouver; (Norne) 135 dms, 260 cs, Noumea; 1 cs, Apia; 235 dms, 5 cs, Fiji Islands; 38 dms, Salamaua; 35 dms, Samarai; 10 dms, Port Moresby; (Silverbeech) 315 dms, Karachi; 150 dms, Penang; 550 dms, Bombay; 175 dms, Singapore; 235 dms, Port Swettenham; 100 dms, Medan; 235 dms, Madras; 47 dms, Samarang-Sourabaya; 90 dms, Singapore-Port Swettenham-Penang; 135 dms, Fremantle
MACHINE—1 cs, Hauraki, Papeete
MOTOR—3 dms, 10 cs, Hauraki, Papeete
PAINT—8 dms, Mariposa, Australia
RAPESEED—3 dms, La Placentia, Vancouver
PAINT—11 cs, Hauraki, Papeete; (Norne) 4 cs, 4 kgs, Noumea; 14 cs, Apia; (Silverbeech) 243 cs, 12½ kgs, Manila; 43 cs, 60 pls, 2 dms, Singapore; 10 pls, 5 cs, Colombo
COPPER—2 pls, 6 cs, Hauraki, Papeete; 1 cs, Mariposa, Samoa
ENAMEL—(Hauraki) 1 cs, Christchurch; 28 cs, Wellington; (Mariposa) 4 cs, New Zealand; 1 cs, Samoa; 40 kgs, Silverbeech, Manila
PASTE—6 cs, Hauraki, Papeete
PREPARED—1 cs, Mariposa, Cook Islands
REMOVER—4 cs, Silverbeech, Manila
PASTE, FLOOR COVERING—45 pls, Rakuyo, Callao
PETROLEUM—(Hauraki) 30 dms, Auckland; 80 cs, Dunedin; 15 dms, Sydney; 180 dms, Melbourne; 65 cs, Silverbeech, Madras
CRUDE—21,500 bbls, Rikko, Tsurumi
DISTILLATE—10 dms, Hauraki, Papeete
REFINED—100 dms, Hauraki, Sydney; (Norne) 1,150 cs, Apia; 5,150 cs, Noumea; 4,000 cs, Suva; 900 cs, Levuka; 3,300 cs, Lautoka; 3,050 cs, Rabaul; 360 cs, Rabaul; 360 cs, Salamaua; 550 cs, Lae; 800 cs, Samarai; 1,250 cs, Port Moresby
PINETAR—2 cs, Hauraki, Papeete; 15 dms, Mariposa, Australia
POLISH—(Hauraki) 1 cs, Christchurch; 2 cs, 3 pls, Wellington; 1 cs, Papeete; 1 cs, Mariposa, New Zealand
AUTO—1 cs, Mariposa, Fiji Islands
METAL—1 cs, Hauraki, Papeete; 40 cs, La Placentia, Vancouver; 1 cs, Silverbeech, Singapore
SOLVENT—2 dms, Silverbeech, Sourabaya-Samarang
POTASH XANTHATE—40 dms, Hauraki, Sydney
PUTTY—(Hauraki) 3 cs, 3 pls, Christchurch; 8 cs, Wellington; 2 cs, Papeete; 1 cs, Mariposa, New Zealand
ROSIN—6 dms, Mariposa, Australia
SALT—110 sks, 32 bls, Hauraki, Papeete; 200 cs, Mariposa, Australia; 20 bls, 25 sks, Norne, Apia
PHOSPHATE—800 cs, Mariposa, Australia
SULPHURIZED—1,000 cs, Mariposa, Australia
SALTPETER—1 cs, Mariposa, Samoa
SARDINE MEAL—100 sks, Silverbeech, Manila
SILICA, GRD—4 dms, Mariposa, New Zealand
SOAP—1 cs, Silverbeech, Singapore
SCOURING—1 cs, Hauraki, Papeete
TOILET—3 cs, Mariposa, New Hebrides
SODA, SILICATE, DRY—30 dms, Mariposa, New Zealand
SOLVENT—18 dms, La Placentia; 1 cs, Silverbeech, Batavia
DRAIN-PIPE—1 cs, Silverbeech, Singapore
PAINT—2 dms, Silverbeech, Sourabaya-Samarang
SULPHUR—(Hauraki) 1,200 sks, Wellington; 282 sks, Dunedin; 12 sks, Bluff
ATOMIC—126 kgs, Mariposa, Tasmania
DRIATOMIC—5 cs, Mariposa, Tasmania
TOILET PREPS—(Hauraki) 1 cs, Apia; 1 cs, Wellington; 3 cs, Papeete; (Mariposa) 2 cs, New Zealand; 3 cs, Australia; 1 cs, New Guinea; 4 cs, Norne, Apia; (Silverbeech) 44 cs, Karachi; 1 cs, Bombay; 5 cs, Singapore
TREE WASH—(Hauraki) 30 dms, 215 cs, Wellington; 18 dms, 25 cs, Dunedin; (Mariposa) 1 cs, Cook Islands; 80 cs, Australia; 6 cs, New Zealand; 1 cs, Silverbeech, Bombay
TURPENTINE—2 cs, Hauraki, Papeete
SPIRITS—25 dms, 20 cs, Hauraki, Dunedin
VARNISH—1 cs, Hauraki, Papeete; 1 cs, Norne, Apia; 2 dms, 34 cs, Silverbeech, Manila
WATERPROOFING COMP—1 bbl, Mariposa, New Zealand
WAX—2 cs, Silverbeech, Manila
FLOOR—1 cs, Hauraki, Wellington

Savannah Exports

Clearance Dates

Eurymedon, August 1; Maine, August 4; Steel Trader, August 14

GLUCOSE—(Eurymedon) 15 bbls, Iloilo; 15 bbls, Manila
ROSIN—(Maine) 100 dms, Barranquilla; 20 dms, Porto Sucre; 50 dms, Buenaventura; 100 dms, Valparaiso; 5 dms, Chaguanas
GUM—250 bbls, Eurymedon, Shanghai; (Maine) 20 bbls, Bogota; 5 bbls, Callao; 50 bbls, Steel Trader, Calcutta
TURPENTINE, GUM—541 cs, Maine, Valparaiso; 25 cs, Steel Trader, Madras; (Maine) 541 cs, Valparaiso; 150 cs, Talcahuano; 15 cs, Coquimbo; 275 cs, Callao; 100 cs, Pisco; 20 cs, Mollendo; 10 cs, Pacasmayo; 5 bbls, Pimentel

Tampa Exports

Clearance Dates

Arbutus, August 6; Austvangen, August 3; General Tosta, August 6; Goldfield, August 5; Livenza, August 5

BAKING POWDER—7 cs, Goldfield, Georgetown; 1 cs, Arbutus, Georgetown
GASOLINE—70 dms, Goldfield, Georgetown; 1 dm, General Tosta, Belize; 31 dms, Arbutus, Georgetown
INSECTICIDE—2 cs, Goldfield, Georgetown
KEROSENE—21 dms, Goldfield, Georgetown
LARD—2 tins, Goldfield, Georgetown
MILK, DRD—1 cs, Goldfield, Georgetown
OXYGEN—1 dm, General Tosta, Belize
PARAFFIN—1 cs, Goldfield, Georgetown
PHOSPHATE—4,188 tons, Livenza, Italian ports
POTASH PERMANGANATE—1 pkg, General Tosta, Belize
SALT—4 sx, Arbutus, Georgetown
SHELLAC—1 cs, Goldfield, Georgetown
SOAP, LAUNDRY—26 cs, Goldfield, Georgetown; 4 cs, Arbutus, Georgetown
TOILET—2 cs, Goldfield, Georetown; 3 cs, Arbutus, Georgetown
SODA, BICARBONATE — 2 cs, Goldfield, Georgetown
HYPOSULPHITE—1 kg, General Tosta, Belize
STARCH, CORN—7 cs, Goldfield, Georgetown; 1 cs, Arbutus, Georgetown
TAPIOCA—2 crtns, Goldfield, Georgetown
TURPENTINE—475 gls, Austvangen, Bridgetown
WAX—1 dm, Austvangen, Kingston
KEROSENE—2,187 bbls, La Purisima, Portland
OIL, DIESEL—6,585 bbls, La Purisima, San Diego; 16,677 bbls, Deroche, Portland; 10,172 bbls, San Diegan, San Diego; 5,509 bbls, Huguenot, San Francisco; 4,920 bbls, Mojave, Seattle; 16,000 bbls, Camden, Seattle
FUEL—49,804 bbls, Torres, Seattle; 11,753 bbls, La Purisima; 54,025 bbls, Kanawha, San Diego; 5,108 bbls, Deroche, Portland; 58,336 bbls, Tejon, Portland; 6,128 bbls, La Purisima, Astoria; 49,887 bbls, Kanawha, San Diego; 66,061 bbls, Salana, Avon; 7,849 bbls, Mojave, Seattle
FURNACE — 5,888 bbls, Deroche, Portland; 2,290 bbls, Mojave, Seattle
LUBRICATING — 2,646 bbls, R J Hanna, Richmond
PETROLEUM, CRUDE—20,507 bbls, La Purisima, Oleum
SOLVENTS, CLEANING—4,451 bbls, La Purisima, Oleum

Cargo Ship Arrivals

August 13 to August 26

New York

Agwidale	Tampico*	Aug 13
Alegrete	Paranagua*	Aug 20
American Farmer	London	Aug 22
American Shipper	Manchester*	Aug 15
Ancon	Cristobal*	Aug 15
Antigua	Puerto Barrios*	Aug 15
Aobasan	Yokohama*	Aug 18
Aquitania	Southampton*	Aug 16
Arizonan	Portland*	Aug 25
Arkansas	Tacoma*	Aug 17
Astrea	Maracaibo*	Aug 22
Benedict	Ceara*	Aug 18
Birmania	Trieste*	Aug 23
Black Eagle	Rotterdam*	Aug 15
Black Gull	Rotterdam*	Aug 23
Black Hawk	Rotterdam*	Aug 20
Borinquen	Trujillo*	Aug 15
Bremen	Bremen*	Aug 22
Cameronia	Glasgow*	Aug 21
Capillo	Buenos Aires*	Aug 26
Chateau Thierry	Cristobal*	Aug 19
City of Worcester	Calcutta*	Aug 25
Coamo	Trujillo*	Aug 22
Columbus	Bremen*	Aug 17
Dakotan	Portland*	Aug 18
Dorothy Luckenbach	Seattle*	Aug 18
Egori	Freetown	Aug 24
Estrella	Marseilles*	Aug 20
Excambion	Jaffa*	Aug 19
Exchester	Istanbul*	Aug 18
Exminster	Thessaloniki*	Aug 18
Extavia	Istanbul*	Aug 25
Fort Amherst	St John's*	Aug 18
Freedhem	Iheos*	Aug 22
Greystoke Castle	Cebu*	Aug 22
Guayaquil	Port au Prince*	Aug 22
Hamakua	Honolulu*	Aug 25
Hansa	Hamburg*	Aug 26
Ile de France	Havre*	Aug 19
Ingrid	Paramaribo*	Aug 23
J L Luckenbach	Seattle*	Aug 25
Jane Christenson	Longview*	Aug 17
Kimikawa	Kobe*	Aug 17
Konigstein	Antwerp	Aug 25
Laconia	Liverpool*	Aug 22
Lossiebank	Hongkong*	Aug 24
Malancha	Calcutta*	Aug 17
Maria	Trieste*	Aug 15
Mormacstar	Buenos Aires*	Aug 15
Munargo	Havana*	Aug 18
Musa	Cristobal*	Aug 17
Nagara	Kobe*	Aug 26
Nerissa	Trinidad*	Aug 24
Nevadan	Tacoma*	Aug 23
New York	Hamburg*	Aug 19
Nikolai Ejoy	Leningrad	Aug 22
Nordkap	Avonmouth*	Aug 24
Normandie	Havre*	Aug 15
Orizaba	Vera Cruz*	Aug 16
Paris	Havre*	Aug 23
Pennland	Antwerp*	Aug 16
Pilsudski	Gdynia*	Aug 20
Pipestone County	Havre*	Aug 22
Pomona	Los Angeles*	Aug 16
Republic	San Francisco*	Aug 17
Rex	Naples*	Aug 17
Rio Verde	Iheos	Aug 25
Robert Maersk	Antwerp*	Aug 20
Robin Adair	Mombasa*	Aug 22
Roma	Naples*	Aug 25
Rotterdam	Rotterdam*	Aug 18
San Jacinto	Mayaguez*	Aug 18
San Juan	La Romana*	Aug 15
San Marcos	Portland*	Aug 18
Santa Inez	Chanaral*	Aug 22
Santa Elena	Curacao*	Aug 15
Santa Rosa	Curacao*	Aug 22
Scanmail	Copenhagen*	Aug 25
Scanyork	Kotka*	Aug 18
Seatrain New York	New Orleans*	Aug 16
Siboney	Vera Cruz*	Aug 23
Sidney M Hauptman	San Francisco*	Aug 24
Silverash	Hongkong*	Aug 16
Snestad	Manila*	Aug 25
Sonnavind	Santos	Aug 19
Talamanca	Puerto Colombia*	Aug 15
Tana	Bergen	Aug 22
Telamon	Trinidad*	Aug 18
Texas Banker	Houston	Aug 23
Texas Trader	Houston*	Aug 15
Tokai	Dairen*	Aug 16
Veragua	Port Limon*	Aug 21
Volendam	Rotterdam*	Aug 22
Washington	Hamburg*	Aug 18
West Notus	San Francisco*	Aug 17
Western Prince	Buenos Aires*	Aug 18
Western World	Buenos Aires*	Aug 23
Zarembo	Matadi*	Aug 20

* And other ports

Recent Charters

FERTILIZER—3,013 tons, S S Titanian, Baltimore to North Spain, 12s 9d; August-September
FLAXSEED—7,800 tons, S S Eugene Livanos, Madras Coast to United Kingdom, Continent, 28s, options; September 1-15
6,000-6,500 tons, S S Rhamo, Bombay to United Kingdom, Continent, 25s 3d; August
PETROLEUM—3,907 tons, S S Vilja, dirty, Los Angeles to Chile; August
9,500 tons, S S Hamlet, dirty, Aruba, Gothenburg, 13s; United States Gulf, 15s; 3-6-9 consecutive voyages commencing March, 1939
12,000 tons, S S ——, dirty, California to Curacao, 9s; September
5,874 tons, S S Actor, dirty, Mexico to United Kingdom, Continent, 14s 3d; August-September
5,901 tons, Caledonia, dirty, California to Curacao, 9s; August
SULPHUR—2,206 tons, S S Baron Vernon, Gulf to Capetown, $4.50, free loading; August

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug act or did not comply with other customs regulations, included the following articles for the reasons stated:—

New York

Week Ended August 17

Balsam, 20 cases; restricted use.
Cardamom, 10 cases; filthy.
Cassia oil, 5 drums; not U.S.P.
Codliver oil, 15 barrels; not U.S.P.
Codoil, 565 drums; restricted use.
Emetine hydrochloride, 2 parcels; not N.F.
Medicinal preparations, 1 case; alcohol not declared.
Medicinal preparations, 1 case; restricted use.
Medicinal preparations, 1 case; dangerous to health.
Medicinal preparations, 5 parcels; false therapeutic claims.
Pollack liver oil, 100 drums; restricted use.

Baltimore

Week Ended August 17

Medicinal preparation, 1 package; false therapeutic claims.

Boston

Week Ended August 17

Marjoram leaves, 40 bales; filthy.
Medicinal prepraations, 3 cases; false therapeutic claims.

Los Angeles

Week Ended August 11

Sesame seed, 82 bags; filthy.

Philadelphia

Week Ended August 17

Codliver oil, 70 drums; false and misleading statements.
Cod oil, 100 drums; restricted use.

Seattle

Week Ended August 11

Rice cakes, 2 cases; false therapeutic claims.

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any direct office or co-operative office of the bureau, and not to this publication. When writing give the number of the item:—

Ammonia, bicarbonate:—Purchase; Piraeus, Greece (7460).
Asphalt, paints: — Purchase; Warsaw, Poland (7522).
Asphalt, Trinidad; Purchase; Cairo, Egypt (7499).
Calcium lactate:—Purchase; Asnieres, France (7526).
Carbon black:—Agency; Utrecht, Netherlands (7455).
Chemicals, agricultural:—Agency; Capetown, So. Africa (7451).
Chemicals:—Agency; Manila, P. I. (7452).
Cosmetics:—Agency; The Hague, Netherlands (7454).
Diphenylguanidine: — Agency; Utrecht, Netherlands (7455).
Drugs:—Agency; Manila, P. I. (7452).
Dyes, anilin:—Purchase; Baghdad, Iraq (7456).
Indigo, synthetic:—Purchase; Baghdad, Iraq (7456).
Medicinal laboratory products:—Purchase and agency; Manila, P. I. (7453).
Oil, mineral:—Purchase; Paris, France (7498).
Pharmaceutical preparations:—Agency; The Hague, Netherlands (7454).
Pharmaceutical preparations:—Purchase; Tel-Aviv, Palestine (7427).
Proprietary products: — Purchase and agency; Manila, P. I. (7453).
Proprietary products: — Agency; The Hague, Netherlands (7454).
Rubber goods, surgical and medical:—Purchase; Jerusalem, Palestine (7527).
Rubber-manufacturing chemicals:—Agency; Copenhagen, Denmark (7459).
Rubber-manufacturing chemicals:—Agency; Utrecht, Netherlands (7455).
Soda bicarbonate: — Purchase Piraeus, Greece (7460).
Soda thiosulphate:—Purchase; Regina, Canada (7496).
Sulphur:—Agency; Utrecht, Netherlands (7455).
Toilet preparations:—Agency; Capetown, So. Africa (7451).
Toilet preparations:—Agency; Alexandria, Egypt (7457).

Golden Gate Paint Ass'n Nominates Sullivan President

R. D. Sullivan has been nominated for president of the Golden Gate Paint, Varnish and Lacquer Association for the club year October 1, 1938, to October 1, 1939. Other nominees are:—Vice-president, J. G. Yates; secretary-treasurer, M. H. Scott; executive committee, including nominated officers, Paul W. Wood, D. M. Schindler, S. H. Kline and Lloyd Greenville. The election will be held September 30.

Tennessee Eastman Corporation, Kingport, Tenn., is offering cellulose triacetate in commercial quantities.

Coastwise Shipments

Corpus Christi Coast Trade

OIL, GAS—73,925 bbls, Cities Service Kansas, Baytown
PETROLEUM, CRUDE—73,885 bbls, Oregon, Baytown; 112,968 bbls, Paco, Baytown; 66,459 bbls, Franklin K Lane, Baytown; 18,124 bbls, Dannedaike, Baytown; 65,844 bbls, Beta, Baytown; 141,283 bbls, Charles G Black, Baytown; 91,412 bbls, R P Resor, Baytown; 149,250 bbls, Wm Rockefeller, Baytown

Los Angeles Coast Trade

GASOLINE — 12,587 bbls, La Purisima, San Diego; 51,722 bbls, Deroche, Portland; 5,733 bbls, San Diegan, San Diego; 80,000 bbls, Olney, Portland; 10,491 bbls, Tejon, Portland; 7,477 bbls, La Purisima, Oleum; 4,710 bbls, San Diegan, San Diego; 11,096 bbls, Utacarbon, Seattle; 75,208 bbls, Huguenot, San Francisco; 68,847 bbls, Mojave, Seattle; 3,587 bbls, Edwin B de Golio, Richmond; 60,000 bbls, Camden, Seattle

Chinese Vegetable Tallow

—*Continued from page* 3

gently beaten in a mortar in order to loosen the tallow from the seeds, the whole being next transferred to heated bamboo sieves, though which the melted tallow escapes and runs into vessels, where it is cooled to a solid mass.

The crude tallow thus obtained is rather dark-colored. It is usually remelted in order to get a more pure product.

The seeds left after the tallow has been removed are afterward ground between millstones. The mass is then winnowed so as to remove the inner shells, after which it is passed through an edge-runner mill, steamed, made into cakes, and hot pressed. Stillingia oil is thus obtained. If the whole seeds are pressed, green vegetable tallow is obtained.

The Chinese tallow tree *(Sapium sebiferum)* offers one of the few cases where a solid fat and a liquid oil are obtained from the same seed.

The white tallows intended for export are remelted in Hankow by exporters and mixed with a certain amount of cheaper green vegetable tallow. It is the usual practice to melt the green tallow and then stir in chips of white vegetable tallow. The white vegetable tallow is seldom melted at all. So the resulting mass is a heterogeneous mixture of small pieces of white vegetable tallow in green vegetable tallow. The exporters usually try to put as much green vegetable tallow in the mixture as possible so that the titer is just a little above 51°C., the lowest limit required by specifications of buyers abroad.

Sampling Procedure

In view of the fact that blocks cannot be uniform in composition because of the crude way of mixing, samples of export cargoes for testing purposes are very carefully taken. It has been the practice of our sampling division to take samples from different parts of whole blocks and mix them together. A composite sample was found on testing to have a titer of 50.7°C. Samples intentionally taken from different parts were tested separately and found to have considerably different titers. The results are given in table II.

Table II

Titers of Different Parts of the Same Block of Tallow

Sample.	Titer (°C.)
Center	51.15
Midway between center and side	51.25
Top	50.10
Bottom	50.45
Side	50.45
Average	50.68

The average of these titers comes out to be 50.68°C., which checks with the result 50.7°C. obtained for the composite sample. The data in table II clearly show that proper sampling is extremely important in case of vegetable tallow.

Analysis of White Tallow

The authors of this paper have analyzed samples of white vegetable tallow from Chinese dealers in Hankow and the results are now tabulated in table III.

Table III

Analytical Data of White Vegetable Tallow

Sample.	Moisture (percent).	Impurities (percent).	Titer (°C.).
1	7.04	0.29	54.1
2	0.61	0.82	53.8
3	0.57	0.69	53.7
4	1.30	0.34	52.5
5	0.34	0.40	53.7
6	0.25	1.28	53.6
7	0.08	0.27	54.0
8	0.11	0.29	54.0
9	0.27	1.29	52.2
10	0.20	0.44	53.6
11	2.07	0.54	52.8
12	1.66	0.25	54.0
13	0.16	0.39	54.0
14	2.90	0.33	53.6
15	0.12	0.34	54.0
16	0.09	0.36	53.0
Highest	7.04	1.29	54.1
Lowest	0.08	0.25	52.2
Average	1.11	0.52	53.5

From table III we can see that white vegetable tallow from local dealers may contain rather high percentages of moisture and impurities, but the titers are usually high. The lowest titer found was 52.2°C.

The insoluble fatty acids of pure Chinese vegetable tallow, according to Nakamori[5], has a titer of 53.8 to 53.9°C. Further analysis by the same investigator showed that tallow contains 65.2 percent of palmitin and 34.8 percent of olein. Hilditch and Priestman[2] later showed that it contains 3 to 6 percent of myristin and 1 to 3 percent of stearin in addition to the above-mentioned components. Zay and Musciacco[6] also reported 53.0°C. as the titer of the vegetable tallow investigated by them.

According to Tortelli and Ruggeri[7], the seeds yield 41.2 percent of fat, of which 22.0 percent occurs as tallow and 19.2 percent as oil. Data of extraction experiments of the seeds with petroleum ether as reported in *Bull. Imp. Inst.* 28: 429-31 (1930) agree with these figures. So, if the seed is pressed, the result would be a mixture containing 53.4 percent of vegetable tallow and 46.6 percent of stillingia oil.

Analysis of Green Tallow

Green vegetable tallows from local dealers in Hankow were also collected and analyzed by us. Although their moisture and impurity contents vary considerably, their titers always remain between 42.0°C. and 44.6°C. The results are tabulated in table IV below.

Table IV.

Analytical Data of Green Vegetable Tallow

Sample.	Moisture (percent).	Impurities (percent).	Titer (°C.).
1	8.33	0.55	44.1
2	4.00	0.53	44.6
3	1.11	0.33	43.5
4	5.08	0.55	44.1
5	10.64	0.46	44.0
6	2.81	0.31	42.0
7	3.69	0.55	43.2
8	4.55	0.19	44.1
9	1.05	0.39	44.4
10	0.09	0.23	43.0
Highest	10.64	0.55	44.6
Lowest	0.09	0.19	42.0
Average	4.13	0.41	43.7

[2] Hilditch, T.P., and Priestman, J.: Component Glycerides of Stillingia (Chinese Vegetable) Tallow; J. Soc. Chem. Ind.—49:397-400T (1930).

[5] Lewkowitsch and Warburton: Chemical Technology and Analysis of Oils, Fats and Waxes (sixth edition).

[7] Tortelli and Ruggeri: Oil and Tallow of Stillingia Sebifera; L'Orosi—23: 289-97 (1900).

[6] Zay and Musciacco: Chinese Vegetable Tallow; Staz. sperim. agrar.—36: 194-6 (1903).

—To be continued

Tung Oil Mill Nears Completion in Australia

The first tung oil mill in Australia is now nearing completion at Mascot, an industrial suburb of Sydney, according to a report from the office of the American Trade Commissioner in Sydney. It is known as Tung Oil Mills, Ltd., a part of whose £10,000 capital has been subscribed by orchardists who now grow, or plan to grow, tung trees.

The equipment for the mill is being installed by British and German concerns. The company has contracts with 223 growers. Tung Oil Mills, Ltd., estimates that there are 403 growers in Australia, most of whom have only a few trees, although there is one grower holding 600 acres. All the nuts received so far are from trees not more than five years old.

Because of the limited quantity of tung nuts now available, or likely to be available in the near future, the company plans to keep its machinery fully employed by making castor oil from castor beans imported from Java and by treating candle nuts imported from Fiji.

Long Beach Oil Lease Granted to Signal Company

Long Beach, Cal., Aug. 16, 1938

An agreement has been reached between the Long Beach Board of Harbor Commissioners and the Long Beach Dock & Terminal Company for the development of 60 acres of submerged lands embracing the most productive portion of the Wilmington oil structure by whip-stocking well off the Long Beach harbor strip to a point under the channel. The commissioners and the Dock & Terminal Company will divide the royalties. The Signal Oil & Gas Company will take up the lease for the developments of the acreage.

Oils, Fats and Waxes

Fish Oils

—*Continued from page* 37

is being offered at less than this figure, while the potential buyers are inclined to hold back in the hope that some lots may come out under that level. The prospects now are not favorable to expectations that the production of oil will be on a more liberal scale, so that even the easing in competitive materials has so far failed to create a bearish trend with respect to oil. The quotations on refined stocks are still at 53c. to 55c. per gallon for light pressed, 55c. to 57c. per gallon for light bleached, and 57c. to 59c. per gallon for yellow bleached supplies.

San Francisco, Aug. 16.—Sales of Pacific Coast fish oils were brisk and heavy last week as California oil appeared on the market in volume and Washington and Oregon pilchard oil reduction operators sold very substantial quantities, all factions accepting buyers' bids of 30 cents per gallon in tankcars. Reports indicate that a quantity in excess of 500 tankcars featured the week's trading, with the possibility that the quantity may have reached 600 tanks for delivery on an if-and-when-produced basis.

California sardine reducers acceded to the 30-cent price offered by the large soapers and hydrogenators after several weeks of holding for a 31-cent figure while meantime watching northern oil go into contract at the lower level. Some 200 tanks of California oil were said to have been involved last week, the balance coming out of the north. Buyers have now withdrawn their 30-cent bids, taking a stand at 28 cents, with some indication present that they would possibly accept 29-cent oil. Sellers however, claim they are not interested in such a price. As a matter of fact some of them have so far shown no interest at all in selling below 31 cents and the movement in California has not been widespread among the producers.

Fishing operations have been spotty just lately. Since the start of the season in California on August 1, approximately 3,200 tons have turned into the Monterey shore plants. San Francisco is not working as yet because of some extended labor difficulties in which rival unions are said to be involved. Southern California's season will not open until later in the year.

Fats and Greases

Grease.—Quotations were shaded ⅛c. to ¼c. per pound, the market apparently being steady at the lower level. There were reports of a fair inquiry though consumers were not disposed to anticipate.

Lard.—Local cash quotations showed irregularity at times in company with futures in Chicago where the market was more active with sentiment apparently less bearish than was recently the case. Domestic trade in cash lard was quiet. The export movement was fair.

Stearin.—Demand was quieter and the market was easier, offerings being noted at concessions of ¼c. to ½c. per pound.

Tallow.—Sales were reported at 5¼c. per pound for extra, f.o.b., showing a decline of ⅛c. as compared with the last previous transactions. The tone of the market appeared to be steady at the reduced level, offerings being lighter with sellers disposed to hold off for further developments.

Trading in tallow futures on the New York Produce Exchange from August 13 to August 19 inclusive, comprised 4 contracts, a total of 240,000 pounds. Following is a price record for the week:—

	—Cents per pound in tanks— High.	Low.	Close.
September	5.25	5.25	5.25@5.35
October	5.42	5.42	5.35@5.35

Markets at Other Centers

Chicago, Aug. 19.—Cash lard has been continuing along rather featureless lines. Shipping trade has been fair.

The range of lard quotations from the opening Saturday, August 13, to the close Friday, August 19, is shown in the following table:—

	—Per 100 pounds— Open.	High.	Low.	Close.	Previous Friday.
Cash	$7.97	$8.25	$7.97	$8.15	$8.00
October	8.20	8.40	8.10	8.20	8.10
December	8.12	8.35	8.05	8.17	8.10

TALLOWS (tierces).—Edible, 6¾c. to 7c. per pound; prime, 5⅜c. to 5⅝c.; fancy, 5½c. to 5¾c.; special, 5⅛c. to 5⅜c.; No. 1, 4⅞c. to 5⅛c.

GREASES (tierces).—Choice white, 5⅜c. to 5½c. per pound; A white, 5⅛c. to 5¼c.; B white, 5c. to 5⅛c.; yellow, 10-16, 4⅞c. to 5c.; yellow, 16-20, 4⅝c. to 4⅞c.; brown, 4⅜c. to 4⅝c.

STEARINS (barrels).—Prime oleo, 7½c. to 7¾c. per pound; lard, packages, 8¾c. to 9c.; A white grease, 5⅜c. to 5½c.; yellow grease, 5c. to 5¼c.; extra oleo stocks, 8¾c. to 9c.; No. 2 stocks, 8½c. to 8¾c.

Liverpool, Aug. 19.—Quotations per cwt. on refined American lard were as follows:—

	Spot. s. d.	Sept. s. d.	Oct. s. d.	Jan. s. d.
Saturday	45 0	40 6	41 0	41 6
Monday	45 0	40 6	41 3	41 3
Tuesday	45 0	40 6	41 0	41 3
Wednesday	45 6	41 0	41 9	42 0
Thursday	46 0	41 9	42 3	42 3
Friday	45 6	41 3	41 9	42 3

Liverpool, Aug. 19.—Quotations per cwt. on tallow were as follows:—

	Choice. s. d.	Fine, good mixed. s. d.
Saturday	21 9	18 6
Monday	21 9	18 6
Tuesday	21 9	18 6
Wednesday	21 9	18 6
Thursday	21 9	18 6
Friday	21 9	18 6

Animal Oils

Lard Oil.—Selling schedules were revised downward, the easier tone of the market being a reflection of recent weakness in basic material. There was a fair demand. Quotations were generally ¼c. to ½c. lower.

Neatsfoot.—The market had an easier tone, quotations on some grades being reduced ¼c. per pound. Business continued along the same conservative lines noted in recent preceding weeks.

Oleo.—There were no fresh developments in the way of price changes, the market being firm at the recent advance. There were reports of a better inquiry from local and other buyers.

Tallow.—The market was easier, quotations being reduced ¼c. per pound. Business was on a fair scale.

Markets at Other Centers

Chicago, Aug. 19.—The animal oil markets are holding steady, with buying fair.

LARD.—No. 1, 8½c. to 8¾c. per pound.

OLEO.—No. 1, 8½c. to 9c. per pound.

TALLOW.—Acidless, 7½c. to 8c. per pound, tanks, and 8½c. to 8¾c., drums.

Waxes

Bees.—Demand was narrow on spot throughout the past week. Trading so far as the bleachers was on the low side and offerings made them at fair replacement cost from the sources of production were rarely accepted. In fact, the bids submitted were oftentimes far less than actual merchandise values. This was taken to mean that bleachers as a whole were not disposed to increase their stocks of crude wax, a condition probably normal since the bleaching season has not a great length of time to run. Spot quotations lacked change.

Candelilla.—The situation in Mexico remains to be developed further but replacement costs were likely to mount because of the taxes applied to the goods in Mexico prior to export. The tendency here was to go slow in the matter of raising prices, although it was generally felt that the market was too low when compared with normal values for the article.

Carnauba.—Spot prices held very well. Undertones were on the firm side at all times and in the presence of a very fair jobbing demand a reasonable activity gave support to the price views of spot merchandisers. Reports indicated that Brazilian shippers were no easier in their views, nor were they likely to develop such opinions on values. Faced with a smaller than usual production, they apparently look for world consumption to absorb the crop on the basis of prices free from any weakness.

Japan.—The market was generally firmer. Spot stocks have been reduced considerably by fairly active trading of late. Shipments from Japan of late have been far less than a year ago, indicating a large home consumption of Japanese production. Higher quotations were believed to be in the making.

Penna. Oil Probe Bill Signed

Harrisburg, Pa., Aug. 16, 1938

Governor Earle has signed the bill authorizing a survey of the Pennsylvania petroleum industry with the idea of determining whether State regulation of the industry was necessary. The governor appointed Judge Ralph Smith, Pittsburgh, to head the investigating commission, which will be composed of five members. The other members are:—William H. Godfrey, Philadelphia; J. E. McComb, Rouseville; State senator E. J. Thompson and State representative Michael Chervenak. The commission has been given authority to subpoena "any proper person, corporation, partnership or association to appear before it and to require production records of any records it may desire."

L. C. Green, of Guignon and Green, naval stores broker, this city, returned August 15 from a vacation in the Catskill Mountains, N. Y.

Industrial Uses of Chemicals and Related Materials

(Formerly styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Six-hundred-seventh Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Ammonium Phthalate

Paint and Varnish

Starting point (Brit. 457786 and 410814) in making—
Metal-phthalocyanin pigments with aminosulphonic acids and metal salts

---

Betachloroethyl Isovalerate

Chemical

Starting point (Brit. 456269) in making—
Glycol salicylates with sodium salicylate

Glyceryl Bisbromobutyrate

Ceramic

Plasticizer (U.S. 1947008) in—
Compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating ceramic products

Chemical

Solvent and plasticizer (U.S. 1947008) for—
Cellulose esters and ethers

Cosmetic

Plasticizer (U.S. 1947008) in—
Nail enamels and lacquers containing cellulose esters as base material

Electrical

Plasticizer (U.S. 1947008) in—
Insulating compositions, containing cellulose esters, used for covering wire and in making electrical machinery and equipment

Glass

Plasticizer (U.S. 1947008) in—
Compositions, containing cellulose esters or ethers, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware

Glue and Adhesive

Plasticizer (U.S. 1947008) in—
Adhesives compositions containing cellulose esters or ethers

Leather

Plasticizer (U.S. 1947008) in—
Compositions, containing cellulose esters or ethers, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods

Metal Fabricating

Plasticizer (U.S. 1947008) in—
Compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating metallic articles

Miscellaneous

Plasticizer (U.S. 1947008) in—
Coating compositions, containing cellulose esters or ethers, used for protecting and decorating various articles

Paint and Varnish

Plasticizer (U.S. 1947008) in—
Paints, varnishes, lacquers, enamels, and dopes containing cellulose esters or ethers

Paper

Plasticizer (U.S. 1947008) in—
Compositions, containing cellulose esters or ethers, used in the manufacture of coated papers and as coatings for decorating and protecting products made of paper or pulp

Photographic

Plasticizer (U.S. 1947008) in making—
Films from cellulose esters or ethers

Plastics

Plasticizer (U.S. 1947008) in making—
Laminated fiber products
Molded products
Plastics from or containing cellulose esters or ethers

Resins

Plasticizer (U.S. 1947008) in making—
Artificial resins from or containing cellulose esters or ethers

Rubber

Plasticizer (U.S. 1947008) in—
Compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating rubber goods

Stone

Plasticizer (U.S. 1947008) in—
Compositions, containing cellulose esters or ethers, used as coatings for decorating and protecting artificial and natural stone

Textile

Plasticizer (U.S. 1947008) in—
Compositions, containing cellulose esters or ethers, used in the manufacture of coated fabrics

Wood

Plasticizer (U.S. 1947008) in—
Compositions, containing cellulose esters or ethers, used as protective and decorative coatings on woodwork

---

5-Hydroxycoumaran

Chemical

Starting point (Brit. 461189) in making—
5-Hydroxycoumaran-4-carboxylic acid
5-Hydroxycoumaran-6-carboxylic acid
5-Hydroxy-3-methylcoumaran-6-carboxylic acid
5-Hydroxy-2-methylcoumaran-6-carboxylic acid
5-Hydroxy-3-methylcoumaran-4-carboxylic acid
5-Hydroxy-2-methylcoumaran-4-carboxylic acid

Methyldodecylaminomethylsalicylic Acid

Chemical

Dispersing agent (Brit. 446813 and 446737) in making—
Emulsions and dispersions of various chemicals
Emulsions of hydrocarbons of various groups of the aliphatic and aromatic series
Terpene emulsions
Wetting compositions in emulsified form
Starting point in making various derivatives

Cosmetic

Dispersing agent (Brit. 446813 and 446737) in making—
Creams in emulsified form
Emulsified shampoos
Latherless shaving creams
Lotions
Various emulsified perfumes and cosmetics

Disinfectant

Dispersing agent (Brit. 446813 and 446737) in making—
Emulsified germicides and deodorizing preparations

Dye

Dispersing agent (Brit. 446813 and 446737) in—
Color lakes in emulsified form
Dye preparations in emulsified form

Fats, Oils, and Waxes

Dispersing agent (Brit. 446813 and 446737) in making—
Boring oils
Drilling oils
Dispersing agent—(Continued)
Emulsions of natural or synthetic waxes
Emulsions of various animal and vegetable fats and oils
Greasing compositions in emulsified form
Lubricating compositions containing vegetable or animal fats and oils
Solvents for fats in emulsified form
Wetting compositions containing oils in emulsified form
Wire-drawing oils in emulsified form

Ink

Dispersing agent (Brit. 446813 and 446737) in making—
Printing inks
Writing inks

Insecticide

Dispersing agent (Brit. 446813 and 446737) in making—
Insecticidal preparations in emulsified form
Vermin exterminators in emulsified form

Leather

Dispersing agent (Brit. 446813 and 446737) in making—
Emulsified dressing compositions containing various substances, such as shellac, gums, resins, fats, and oils
Emulsified fat-liquoring baths
Emulsified finishing compositions
Emulsified soaking compositions containing neatsfoot oils or other oils
Emulsified waterproofing compositions

Miscellaneous

Dispersing agent (Brit. 446813 and 446737) in making—
Automobile polishes
Cleansing compositions containing soaps
Compositions for cleansing paints and metal surfaces
Degreasing and greasing compositions in emulsified form
Detersive and scouring compositions
Furniture polishes in emulsified form
Metal polishes in emulsified form
Scouring compositions for woodwork, linoleum, rugs, and the like
Shoe creams and polishes in emulsified form
Waterproofing compositions in emulsified form for treating various fibrous and other compositions of matter

Oilcloth and Linoleum

Dispersing agent (Brit. 446813 and 446737) in making—
Coating compositions

Paint and Varnish

Dispersing agent (Brit. 446813 and 446737) in making—
Asphaltic paints and varnishes
Emulsified paints and varnishes
Pigment emulsions
Shellac emulsions
Waterproofing compositions in emulsified form

Paper

Dispersing agent (Brit. 446813 and 446737) in making—
Emulsified preparations used for the treatment of paper and pulp products
Sizing compositions in emulsified form, containing rosin, casein, starches, and the like
Waterproofing compositions in emulsified form
Waxing compositions in emulsified form

Petroleum

Dispersing agent (Brit. 446813 and 446737) in making—
Emulsified cutting oils for lathe and screwpress work
Emulsions containing crude petroleum or heavy petroleum distillates
Dispersing agent—(Continued)
Kerosene emulsions
Naphtha emulsions
Soluble greases in emulsified form
Soluble oils in emulsified form for lubricating textile machinery
Various emulsified textile oils

Resins

Dispersing agent (Brit. 446813 and 446737) in making—
Emulsions of natural or synthetic resins

Rubber

Dispersing agent (Brit. 446813 and 446737) in making—
Rubber compositions in emulsified form
Special emulsified preparations used for coating, protecting, decorating, and other surface-treating of rubber articles

Soap

Dispersing agent (Brit. 446813 and 446737) in making—
Hand-cleansing compositions in emulsified form
Various emulsified cleansing compositions
Various emulsified scouring compositions

Stone

Dispersing agent (Brit. 446813 and 446737) in making—
Compositions for treating natural and artificial stone

Textile

Dyeing

Ingredient (Brit. 446813 and 446737) of—
Dye baths in emulsified form (used as an assistant in dyeing various yarns and fabrics)

Finishing

Dispersing agent (Brit. 446813 and 446737) in—
Dressing compositions in emulsified form
Emulsified coating compositions
Emulsified finishing compositions
Emulsified impregnating compositions
Emulsified sizing compositions
Washing compositions in emulsified form

Manufacturing

Dispersing agent (Brit. 446813 and 446737) in—
Dispersions used for carbonizing of wool
Dispersions used for degreasing raw wool
Dispersions used for washing wool
Emulsified preparations for degumming silk
Emulsified milling compositions
Emulsions used for kier boiling cotton
Emulsions used for soaking silk
Oiling emulsions for treating fabrics
Special lubricating compositions used in weaving, knitting, warping, and winding

Printing

Ingredient (Brit. 446813 and 446737) of—
Printing pastes in emulsified form

Stearic Acid Chloride

Chemical

Starting point (Brit. 453778) in making—
Emulsifying agents by sulphonating products of its reaction with benzene, toluene, xylene, diphenyl, phenanthrene, naphthalene, or tetrahydronaphthalene

Lubricant

Starting point (Brit. 453778) in making—
Lubricants with benzene, toluene, xylene, diphenyl, phenathrene, naphthalene, or tetrahydronaphthalene

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c for each additional 6 words

Payable in advance at 59 John Street, New York

Agencies Wanted

ESTABLISHED HOUSE expanding, wishes to represent manufacturers of basic materials, for the mining, electro-plating and ceramic industries in Oregon, Washington, Idaho, and British Columbia. Particularly desirous in making connections for ore flotation products and waxes. BOX 967, Oil, Paint and Drug Reporter.

ESTABLISHED Cincinnati firm, covering part of Ohio and also Louisville, Kentucky, would be interested in representing producers of raw materials for the paper, soap, paint, rubber, ink or other industries. BOX 976, Oil, Paint and Drug Reporter.

HAVE ESTABLISHED trade in South Texas among processors, manufacturers and packers of food, toilet articles, pharmaceuticals, insecticides and wine. Can consistently represent an additional firm manufacturing products used by the above trades on a brokerage basis. BOX 983, Oil, Paint and Drug Reporter.

Equipment Offered

CONSOLIDATED OFFERS.—One solid nickel jacketed agitated vacuum still 100 gallons; ten No. 3 Rotex sifters, motor driven; two 24 inch Mikro pulverizers; twelve vacuum dryers, shelf and rotary type; nine W. & P. mixers; five Sweetland filters; twenty plate type filter presses; thirty centrifugal machines; miscellaneous: rotary dryers, pulverizers, jacketed kettles, etc. Send for complete listing. We buy and sell from a single item to a complete plant. Consolidated Products Co., Inc., 15-17-19 Park Row, New York City.

FOR SALE—Two 6x8 pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

ROTEX SIFTER, size 20" x 48", belt-driven; Ross 100-lb. powder sifter and mixer, belt-driven; Day lightning packer, (weighing and filling machine), motor-driven. All first-class condition. Ralph Hochman & Co., 844 Broad street, Newark, New Jersey.

Factories Offered

BRICK FACTORY — One-story, 50 x 90, concrete floor, sprinkler system, live steam available 24 hours per day, railroad siding. Unrestricted district in Brooklyn. Low rent. The R. L. Kraft Company, Woolworth Building, COrtlandt 7-9377.

Investment Offered

RESIN CHEMIST, manufacturing experience synthetic varnish resins, has available processes for production of complete line synthetics. Wishes contact partner willing to finance manufacture of ester gum, alkyds, phenolics. Moderate outlay required. BOX 975, Oil, Paint and Drug Reporter.

Plants Offered

MANUFACTURING PLANT—About 40,000 square feet — including three-story brick mill building with elevator, sprinkler system, process steam, four daylight exposures, with extra land and several small buildings; railroad siding, low taxes and insurance. Adjacent to ferries and vehicular tunnel, ten minutes from Manhattan, for sale or lease, attractive terms. Owner, BOX 973, Oil, Paint and Drug Reporter.

Positions Vacant

WANTED—Experienced paint salesmen to sell 100% pure linseed oil, sun resisting, chrome green paint in five shades, at prices that will meet all competition. BOX 950, Oil, Paint and Drug Reporter.

CHEMIST—Wanted to take complete charge of laboratory in paint and varnish factory. Good salary for capable man with large experience in formulating industrial paint finishes; must be experienced in modern alkyd and synthetic finishes. This is excellent opportunity to join progressive and well established manufacturer. Give experience in full, training and age in first letter. All communications confidential. BOX 966, Oil, Paint and Drug Reporter.

Positions Vacant

ESSENTIAL oil representative; well-known house has opening for men already calling on cosmetic and confectionery manufacturers, Southern states and other territories available. In reply give other firms represented and references. BOX 974, Oil, Paint and Drug Reporter.

Positions Wanted

PLANT manager with broad experience in the chemical and dyestuff manufacturing field desires connection in similar capacity. Highest references furnished. BOX 953, Oil, Paint and Drug Reporter.

PRACTICAL printing ink and dry color chemist desires position with reliable firm in either field. Will locate anywhere. BOX 960, Oil, Paint and Drug Reporter.

PAINT and varnish maker of the first caliber wants to manage small paint and varnish business with a view to increase business and make it successful. Produces the best selling flat whites, gloss whites, enamels, varnishes and a full line. A good volume of profitable business is assured. BOX 977, Oil, Paint and Drug Reporter.

POSITION wanted as casein paint chemist. Experienced in casein paint research and production. College graduate. References furnished. BOX 978, Oil, Paint and Drug Reporter.

ABLE WOMAN colloid and organic chemist, S.B., 1938, from M.I.T. Well grounded also in industrial, analytical, physical and auxiliary chemistries and sciences. Excellent references. BOX 979, Oil, Paint and Drug Reporter.

CHEMICAL SALESMAN—Experienced in heavy chemicals, nine years with large chemical company, inside and outside, desires connection in similar line. Unusual connections, with highest references. BOX 980, Oil, Paint and Drug Reporter.

Positions Wanted

TECHNICALLY TRAINED man desires position in complete charge of paint and varnish plant. Fourteen years' experience, formulation, air dry and baking finishes, all types. Automobile undercoats and finishes, and varnish cooking. Excellent experience in the production of the finest line of shelf goods. Location Middle West desirable but not essential. BOX 981, Oil, Paint and Drug Reporter.

MAINTENANCE ENGINEER available to supervise maintenance, renewals and construction of chemical plant and equipment. Take charge repair shop and power plant. Graduate chemical engineer. Twenty years' experience. BOX 982, Oil, Paint and Drug Reporter.

CHEMIST—Young, graduate of Pratt Institute; specialized in paint manufacture, etc., at school; wants position in paint industry; honest, hard worker. Experience more important than salary. BOX 984, Oil, Paint and Drug Reporter.

Services Offered

CHEMISTS and chemical engineers—If you are now unemployed, send your complete chronological record of education and experience to Chemist Advisory Council, 300 Madison avenue, New York City.

Sulphur Holdings

PROVEN SULPHUR holding containing over three million tons of reclaimable sulphur and having railroad, natural gas, road and seaport facilities is ready for immediate development. For information write A. H. Meroney, 5005 Woodlawn, Chicago, Ill.

Surplus Stock

BUYERS of any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also buy complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City. WAlker 5-4250.

FORESIGHT—Not—Hindsight

The time to buy is *before* not after prices follow the upward trend in industry. Buy Consolidated's Guaranteed Good REBUILT EQUIPMENT* now!

CONSOLIDATED PRODUCTS CO., Inc.
15-17-19 Park Row, New York City BArclay 7-0600
Plant: Newark, N. J. Cable: EQUIPMENT N. Y.

**See "Equipment Offered" above for our Classified Listings.*

ACT NOW **MUST BE REMOVED IMMEDIATELY** ACT NOW

All the Modern Equipment Formerly Used by

RUNKEL BROS., INC. at 451 WEST 30th STREET NEW YORK CITY

Unparalleled opportunity for tremendous savings—Everything will be sold direct from the floors of the plant at SACRIFICE PRICES

PARTIAL LIST—SEND FOR SPECIAL BULLETIN

ROLLER MILLS
5—Lehman No. 512, 3 Roll Roller Mills having 16"x48" Steel Water-Cooled Rollers.
2—National up-right, 5 Roll Roller Mills, with 16"x40" Steel Water-Cooled Rollers.
6—Lehman and National up-right, 3 Roll Roller Mills, with 16"x40" Water-Cooled Rollers.
4—6' and 8' Chasers.
3—Ross 3 Roll Horizontal Roller Mills with Steel Water-Chilled Rollers, 16"x40".

PULVERIZERS & GRINDERS
1—Micro Pulverizer, 24", directly connected to 40 H.P. drive.
4—Schutz O'Neil 22" Type D-31, Pulverizing Machines.
1—Blanchard 24" Pulverizer.

PUMPS—PRESSES—EXPELLERS
1—Anderson Expeller, complete with elevator feed (motor driven).
17—National Equipment Hydraulic Presses, 16" Ram, 15" Ram and 12" Ram.
14—Triplex Hydraulic Pumps for pressure up to 6,500 lbs.

COPPER JACKETED KETTLES
18—Copper steam jacketed kettles—with and without agitators—sizes ranging from 52" dia. x 38" deep to 22" dia. x 17" deep.

IRON JACKETED KETTLES & MIXERS
15—Dopp, 100 to 250 gal. cap. High Pressure, Jacketed, Iron Mixing Kettles.
3—Rockwell, 200 gal. cap., horizontal, heavy doug'h type, Mixers, jacketed, with bottom outlets, also tilting type.
1—Hottman Spiral type Mixing Machine, double arm, 150 gal. cap.
10—Iron Kettles, with and without Mixers, from 100 to 500 gal. capacity.
1—Lightening Portable Motor Driven Mixer.

SPECIAL SELECTIONS
1—Eppenbach No. 2 Colloidal Mill, motor driven.
1—Buflovac Iron Vacuum Crystalizer, 6 ft. diameter, Jacketed, motor driven, complete with Vacuum pump equipment.
5—Lehman 6 ft. Melangeurs.
5—National Equipment 6 ft. Melangeurs, Carey type, with Dust Proof Covers.
1—Motor Driven No. 7 DeLaval Centrifuge.
1—Tolhurst Centrifuge Separator.
1—Rotex Sifter, motor driven. Size 20"x84".
2—Standard Knapp Automatic Carton Gluers, No. 429, with Compression Units.

Scales, Motors, Pumps, Blowers, Factory Handling Equipment, Machine Shop Tools, Office Equipment, etc.

OPEN FOR INSPECTION. REPRESENTATIVE ON PREMISES

Write or Wire Collect for Prices and Information

UNION STANDARD EQUIPMENT CO.
318 LAFAYETTE STREET NEW YORK CITY

GUARANTEED
NEW AND REBUILT EQUIPMENT
FOR THE CHEMICAL AND PROCESS INDUSTRIES

FIRST MACHINERY CORP.

419 Lafayette St. New York, N.Y.
F M C
LIQUIDATORS APPRAISERS
Cable: EFFEMCY

Paint Styling Council To Analyze Color Surveys

OPD Washington Bureau
August 18, 1938

The technical and fact-finding committee of the Council for Paint Styling, which will meet at the Pennsylvania hotel, this city, August 30 and 31, will have before it a large number of color surveys of house exteriors in various sections of the country, in addition to the color surveys of model room and model home interiors. These surveys are being made by field cooperators in forty-eight cities to assist the fact-finding committee in its study of style trends in paint.

The greatest number of exterior surveys have been received from cooperators in the Eastern section, with the Rocky Mountain and central zone second and the Pacific coast third.

Results of the interior and exterior surveys will be studied by the fact-finding committee and submitted to the Council in time for presentation to the convention of the National Paint, Varnish and Lacquer Association in October.

At the last convention the committee showed charts based on figures obtained from six manufacturers, both national and local, and setting forth the percentage of different colors sold to the entire volume of sales of these manufacturers for flat wall paints, interior enamels and exterior house paints. Much interest was displayed, and the technical and fact-finding committee decided to carry the studies further. The figures of the six manufacturers were carefully analyzed, and there were secured figures regarding the same lines as sold by one small local manufacturer. The figures of the six firms were compared with the figures of the smaller manufacturer, with the following results:—

Exterior House Paints

No. of Samples.	Color.	Percent sold.	Small Manufacturer.
6	Whites	39.99	36.00
10	Creams	10.25	6.50
8	Ivories	7.74	7.00
15	Greens, lt. and med.	6.65	9.70
14	Browns, lt. and dk.	5.65	5.41
13	Grays, lt.	5.59	7.50
7	Greens, dk.	3.22	10.25
5	Buffs	3.05	3.40
8	Grays, med. and dk.	2.94	5.12
6	Blacks	1.79	4.70
7	Tans	1.70	1.23
4	Yellows	1.20	2.54
82	Miscellaneous	10.23	.65

American Agricultural Chemical Reports Profit for Year

The American Agricultural Chemical Company of Delaware and subsidiaries reported a net profit of $1,401,076 for the fiscal year ended June 30, 1938. This is equivalent, after depreciation, depletion, provision for losses, taxes, etc., to $6.69 a share on 209,329 common shares. For the year ended June 30, 1937, the company reported a net profit of $1,868,944, or $8.86 a share on 210,932 common shares.

Stockholders will vote September 1 on proposals to authorize an increase in its stock to 700,000 shares from 500,000 shares, and to exchange three shares of the new stock for each share now held.

Index to Advertisements

Advance Solvents & Chemical Corp.... —
Alexander, Jerome.... 44
American Agricultural Chemical Co... 1
American-British Chemical Supplies, Inc.... —
American Can Co.... —
American Cyanamid & Chemical Corp. —
American Flange & Mfg. Co.... 8
American Potash & Chemical Corp.... 40
Anderson-Prichard Oil Corp.... —
Ansbacher-Siegel Corp.... —
Apex Chemical Co., Inc.... —
Ashcraft-Wilkinson Co.... 24
Atlantic Refining Co.... —
Atlantic Research Associates.... —
Atlas Powder Co.... —

Barium Reduction Corp.... 27
Barrett Company.... 28, 49
Barsky & Strauss, Inc.... 44
Bemis Bro. Bag Co.... —
Benzol Products Co.... —
Binney & Smith Co.... —
Bradley, A. J., Mfg. Co.... 32
Brode Corp., The.... 36
Brown, Leland Laboratories.... 44
Bureau of Chemistry.... 44
Bush, W. J., & Co., Inc.... —

Calco Chemical Co.... —
California Fruit Growers Exchange.... 59
Calvert, Robert.... 44
Campbell, Harry T., Sons Co.... —
Carbide & Carbon Chemicals Corp.... 2
Carey, The Philip Co.... —
Carpinello, Michael J., Inc.... 44
Chemical Solvents, C. P., Inc.... 60
Church & Dwight Co.... 60
Clarendon Refining Co.... —
Colledge, E. W., Gen. Sales Agent, Inc. —
Colton, Arthur, Co.... 32
Columbia Alkali Corp.... —
Columbian Carbon Co.... —
Commercial Solvents Corp.... —
Conewango Refining Co.... —
Consolidated Products Co., Inc.... 58
Consumers Import Co., Inc.... —
Continental Can Co.... —
Continental Carbon Co.... —
Cooper, Chas., & Co.... —
Cooper, T. G., & Co., Inc.... 36
Crosby Naval Stores Co.... —
Croton Chemical Corp.... —

Darling & Co.... —
Day Chemical Co.... 44
Deep Rock Oil Corp.... —
Dewey & Almy Chemical Co.... —
Diamond Alkali Co.... 25
Dicalite Co.... —
Dodge & Olcott Co.... —
Doggett, Stanley, Inc.... 32
Dow Chemical Co.... —
Draper Mfg. Co.... —
Dunkel, Paul A., & Co., Inc.... 43
DuPont de Nemours, E. I., & Co.... 1, 60

Eastern Steel Barrel Corp.... —
Eastman Kodak Co.... —
Electro Bleaching Gas Co.... —
Ellis-Foster Co.... 44
Emery Industries, Inc.... —
Exporters & Manufacturers Translation Bureau.... 44

Falk & Co.... 36
Fezandie & Sperrle.... 30
First Machinery Corp.... 58
Fluorine Products.... 27
Food Research Laboratories, Inc.... 44
Frank-Vliet Co.... —
Franks Chemical Products Co.... —
Freeport Sulphur Co.... 49
Fritzsche Bros., Inc.... 45, 47
Fulton Bag & Cotton Mills.... —

Gable, Howard S., Co.... —
General Drug Co.... 46
General Dyestuff Corp.... —
General Electric Co.... —
General Plastics, Inc.... —
Gesell, R., Inc.... —
Givaudan-Delawanna, Inc.... 60
Goodman, Rex, M. D.... 44
Gray, William S., & Co.... 1
Gray Industrial Laboratories.... 44
Greeff, R. W., & Co., Inc.... 39
Gross, A., & Co.... 35
Gruman, J. B., & Co.... 52

Hardesty, W. C., Co., Inc.... 35
Harshaw Chemical Co.... 31
Heekin Can Co.... —
Heyden Chemical Corp.... 39
Hinde & Dauch Paper Co.... —
Hochstadter Laboratories.... 44
Holt, C. J., & Co., Inc.... 44
Hopkins, J. L., & Co.... 43
Huisking, Chas., L., & Co., Inc.... 41
Hutchinson, D. W., & Co., Inc.... 45

Imperial Oil & Gas Products Corp.... —
Imperial Paper & Color Corp.... 33
Independent Mfg. Co.... —
Industrial Chemical Sales Div.... 34
Industrial Consulting Labs., Inc.... 44
Innis, Speiden & Co.... —
International Pulp Co.... —
International Selling Corp.... —
Irvington Smelting & Refining Works.. 24

Jackson, L. N., Co., Inc.... 36
Jones & Laughlin Steel Corp.... 29
Jungmann & Co., Inc.... 27

Kellogg, Spencer & Sons, Inc.... —
Kentucky Color & Chemical Co.... 32
Kessler Chemical Corp.... —
Knight, B. H.... 44
Koppers Co.... 29
Koster Keunen.... —
Krebs Pigment & Color Corp.... 20

Laning, E. M., & Co., Inc.... 44
LaWall & Harrisson.... 44
Lewis, John D., Inc.... —
Lueders, Geo., & Co.... 45

Magnetic Pigment Co.... —
Magnus, Mabee & Reynard, Inc.... 45
Mallinckrodt Chemical Works.... 6
Manion Steel Barrel Co.... —
Martens, Johan C., & Co.... 41
Martin, The L., Co.... —
Mathieson Alkali Works, Inc.... 19
Mathieu, A. J., & Co.... 24
Merck & Co.... 38
Metasap Chemical Co.... —
Miel, George A.... 44
Minnesota Specialty Co.... —
Molnar Laboratories.... 44
Monsanto Chemical Co.... —
Munch, James C.... 44
Murray Oil Products Co.... 37
Mutual Chemical Co. of America.... 30

National Aniline & Chemical Co., Inc.. 16
National Lead Co.... —
National Milk Sugar Co., Inc.... 41
National Oil Products Co.... 33
National Rosin Oil & Size Co.... 33
Natural Products Refining Co.... 30
Neuberg, William, Inc.... 40
Neville Co.... —
New Jersey Zinc Co.... 21
N. Y. Quinine & Chemical Works, Inc. —
Niacet Chemicals Corp.... 32
Niagara Alkali Co.... —
N. V. Potash Export My, Inc.... 27

Oldbury Electro Chemical Co.... 26
Old Capitol Packers, Inc.... 46
Orbis Products Corp.... 45
Orthmann Laboratories, Inc.... 44
Osborn, C. J., Co.... 32

Pacific Coast Borax Co.... 1
Pacific Vegetable Oil Corp.... —
Parsons, M. W.... 41
Pease Laboratories, Inc.... 44
Penick, S. B., & Co.... 42
Pennsylvania Coal Products Co.... —
Pennsylvania Oil Products Refining Co. —
Pennsylvania Refining Co.... 46
Pennsylvania Salt Mfg. Co.... 11
Pfaltz & Bauer, Inc.... —
Pfizer, Chas., & Co., Inc.... 23
Phelps-Dodge Refining Corp.... 26
Polachek, Z. H.... 44
Potash Company of America.... —
Pressed Steel Tank Co.... —
Prior Chemical Corp.... 1
Procter & Gamble.... 35, 40
Publicker Commercial Alcohol Co.... —
Purdy, W. S., Co., Inc.... 44
Pure Calcium Products Division.... —

Quaker Oats Co.... —

Reilly Tar & Chemical Corp.... —
Rosenthal, H. H., Co., Inc.... 41
Royster Chemical Works.... 27
Ryland, H. C., Inc.... 45

Sadtler, Samuel P., Sons, Inc.... 44
St. Joseph Lead Co.... —
Schimmel & Co., Inc.... 45
Schofield-Donald Co., Inc.... —
Schwabacher, S., & Co., Inc.... 33
Schwarz Laboratories, Inc.... 44
Seil, Putt & Rusby, Inc.... 44
Sharples Solvents, Corp.... —
Shell Petroleum Co.... —
Sherka Chemical Co., Inc.... 40
Sherwood Petroleum Co., Inc.... 47
Skelly Oil Co.... —
Slomon, Ira I.... 44
Smith, Kline & French Laboratories... —
Snell, Foster D., Inc.... 44
Solvay Sales Corp.... 26
Sonneborn, L., Sons, Inc.... 60
Southern Steel Barrel Co., Inc.... —
Standard Ultramarine Co.... 32
Starlight Refining Co.... —
Stauffer Chemical Co.... 24
Stillwell & Gladding.... 44
Stroock & Wittenberg Corp.... —
Sun Oil Co.... —

Taintor Trading Co.... 32
Tamms Silica Co.... 33
Tar & Chemical Div. of Koppers Co.... 29
Tennessee Corp.... 27
Texas Gulf Sulphur Co., Inc.... —
Thornton, The F. C., Co., Inc.... 31
Thurston & Braidich.... 43
Titanium Pigment Corp.... —
Todd, A. M., Co.... —
Turner, Joseph & Co.... 24

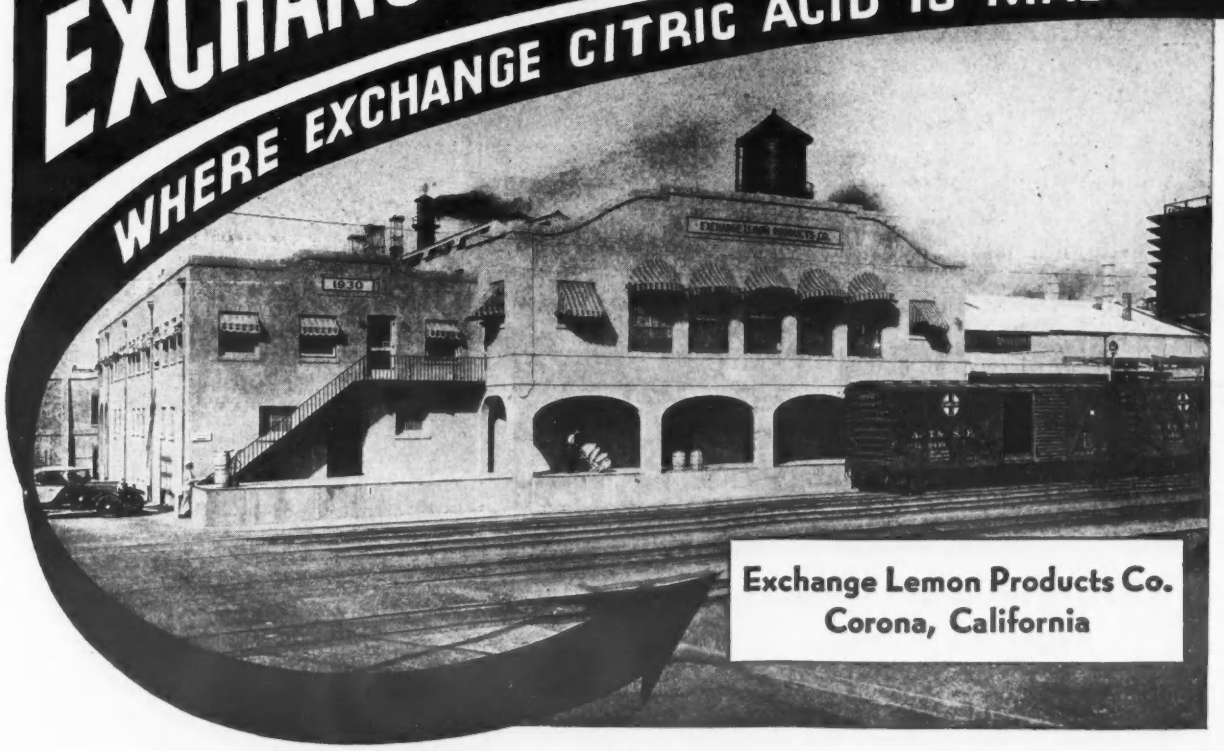
Union Carbide & Carbon Corp.... —
Union Standard Equipment Co.... 58
United Clay Mines Corp.... —
U. S. Industrial Alcohol Co.... —
U. S. Industrial Chemical Co.... —
U. S. Phosphoric Products Corp.... 27
United States Potash Co.... 49

Vanderbilt, R. T., Co.... —
Victor Chemical Works.... 27
Viking Distributing Co.... —
Vitamerican Oil Co., Inc.... 40
Vorce, L. D.... 44

Wah Chang Trading Corp.... 35
Wecoline Products, Inc.... 35
Weiss & Downs, Inc.... 44
Wheeling Corrugating Co.... —
White Tar Co. of N. J., Inc.... 29
Wiley & Co., Inc.... 44
Will & Baumer Candle Co.... —
Williams, C. K., & Co.... 32
Wishnick-Tumpeer, Inc.... —
Woburn Degreasing Co. of N. J.... —
Wolf, Jacques, & Co.... —
Wood Preserving Corp.... 29

EXCHANGE CITRIC ACID U.S.P.

WHERE EXCHANGE CITRIC ACID IS MADE



EXCHANGE Citric Acid U.S.P. is made by the Exchange Lemon Products Company of Corona, Calif. Backed by the Sunkist group of 13,500 citrus growers —largest in the world. Immediate shipments from warehouse stocks in New York, Chicago and Philadelphia. For prices on kegs, barrels or carloads, write nearest office.

Products Department

CALIFORNIA FRUIT GROWERS EXCHANGE

ONTARIO, CALIFORNIA

189 W. Madison Street, Chicago, Illinois

99 Hudson Street, New York, N.Y.

Exchange

CITRIC ACID U. S. P.

"SERRASOL" PROPRIETARY SOLVENT ALCOHOL
QUALITY SERVICE PRICE
CHEMICAL SOLVENTS
Incorporated
11 Park Place Telephone BArclay 7-8615-6-7 New York

WHITE OIL and PETROLATUM
FOR ALL PHARMACEUTICAL, COSMETIC and INDUSTRIAL PURPOSES
L. SONNEBORN SONS, INC.
Refiners of White Oil and Petrolatum — Refineries: Petrolia and Franklin, Pa.
New York 88 Lexington Avenue
Los Angeles 215 West 5th Street
Chicago 400 West Madison Street
Southwestern Distributors: Sonneborn Bros., 2111 Taylor St., Dallas, Tex.

FINEST QUALITY
BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
PIONEER WASHING SODA
CHURCH & DWIGHT CO.
70 PINE STREET Phone Digby 4-2181 NEW YORK CITY

DU PONT
REG. U.S. PAT. OFF.
R & H INDUSTRIAL CHEMICALS

ACCELERATORS
Diphenylguanidine
Diortho Tolyl Guanidine
Triphenylguanidine
ACETANILID
ACETONE
C. P. and Methyl
ACID, PHOSPHORIC
Various Grades
AMMONIUM CARBONATE
Lump and Powder
AMMONIA, SAL
Granular White 99-100%
Gray, Fine and Coarse
ANTIMONY OXIDE
ARSENIC, RED
BARIUM CHLORIDE
BARIUM HYDRATE
BICHROMATE
Soda and Potash
BORAX
BORACIC ACID
CAFFEINE ALKALOID
CARBON TETRACHLORIDE
CHROMIC ACID
COPPER CARBONATE
52-54%
CYANIDE, POTASSIUM
ETHYLENE DICHLORIDE
FELDSPAR, "CHEMI-TROLD"
FORMIC ACID
IRON BY HYDROGEN
IRON CHLORIDE
LITHIUM SALTS
MANGANESE CHLORIDE
NAPHTHALENE
NICKEL SALTS, SINGLE AND DOUBLE
NICKEL CHLORIDE
NITRITE SODA
OXALIC ACID
PARADICHLOROBENZENE
OXALATE AMMONIA
OXALATE POTASH
BINOXALATE POTASH
BICARBONATE POTASH
CAUSTIC POTASH
Fused, Broken, Ground and Flakes
CARBONATE POTASH
Liquid, Calcinated and Hydrated
PERMANGANATE POTASH
RED PRUSSIATE POTASH
YELLOW PRUSSIATE POTASH
YELLOW PRUSSIATE SODA
SODA ACETATE
SODA ASH
SODA BICARBONATE
SODA CAUSTIC
SODA SILICO FLUORIDE
ACID SODA FLUORIDE
SODA FLUORIDE
STEARATES
Aluminum, Calcium, Magnesium and Zinc
SULFUR CHLORIDE
SULFUR DIOXIDE
TETRA SODA PYROPHOSPHATE
TRISODIUM PHOSPHATE
ZINC CARBONATE
ZINC CHLORIDE

Also refrigerants, non-flammable solvents, cyanides, formaldehyde, active oxygen products, ceramic chemicals, etc.

Write for current price list giving prices on these and other chemicals

THE R. & H. CHEMICALS DEPT.
E. I. DU PONT DE NEMOURS & CO., INC.
Empire State Bldg., N. Y. C.

Quarterly PRICE LIST DU PONT Chemicals FOR ALL INDUSTRIES

HAVE YOU TRIED BARTYL "A"—
The Odorless Anti-Skinning Agent?

If you have not tried Bartyl "A", do so at the first opportunity and see what a better anti-skinning job it does in your paints — and how completely free it is of that offensive and tenacious odor usually associated with products of this type.

Bartyl "A" is the latest improvement in anti-skinning agents. It has and leaves no odor . . . and is proving so effective and economical to use that the demand for it is rapidly increasing. Repeated tests show that it is non-toxic, does not retard drying, has no effect on color, is soluble in oils and solvents, will not form a "slimy" skin and is progressively effective in a wide variety of formulations.

You are assured of the fullest cooperation of the Givaudan laboratories in adapting Bartyl "A" to meet the special requirements of your formulæ.

In the column at the right are a few other Givaudan developments that are helping manufacturers in various lines solve specific problems of production.

FOR INDUSTRIAL ODOR PROBLEMS

ODOR SUGGESTIONS for pharmaceutical and cosmetic as well as industrial problems will be given by Givaudan chemists whose experience includes the development of aromatics, odor covers and odor neutralizers for many unusual products.

Among the more recent Givaudan developments in the field of aromatic materials are:

SYNTHETIC WITCH-HAZEL ODORS — Approximately 100 times stronger than the natural witch-hazel.

NEW ODORS AND ODOR COVERS for pyrethrum substitutes for fly spray manufacturers.

SAVAROME No. 1—powerful, refreshing odor for scenting soaps, cleaning and polishing compounds.

LASTING PINE NEEDLE odor, resistant to heat of processing, a popular "many-purpose" odor.

Tell us what you want and let us work with you in making suggestions and recommendations that will meet your requirements.

Further information on these and other Givaudan specialties in the field of industrial aromatics is available on request. We will be glad to assist you on all problems relating to aromatics, odors and odor covers.

GIVAUDAN
DELAWANNA, INC.
Industrial Aromatics Division
80 FIFTH AVENUE, NEW YORK, N. Y.

ER

nd
be
ce
or
ial

op-
re:
xi-
ral

um

for
m-

eat
or.
ith
da-

an
is
ist
ors